Ning Wang

List of Publications by Year
in descending order

212 papers	6,863 citations	31976 53 h-index	66911 78 g-index
214 all docs	214 docs citations	214 times ranked	3683 citing authors

#	Article	IF	Citations
1	Adaptive Robust Finite-Time Trajectory Tracking Control of Fully Actuated Marine Surface Vehicles. IEEE Transactions on Control Systems Technology, 2016, 24, 1454-1462.	5.2	289
2	Accurate Trajectory Tracking of Disturbed Surface Vehicles: A Finite-Time Control Approach. IEEE/ASME Transactions on Mechatronics, 2019, 24, 1064-1074.	5.8	195
3	Adaptive Robust Online Constructive Fuzzy Control of a Complex Surface Vehicle System. IEEE Transactions on Cybernetics, 2016, 46, 1511-1523.	9.5	178
4	Direct Adaptive Fuzzy Tracking Control of Marine Vehicles With Fully Unknown Parametric Dynamics and Uncertainties. IEEE Transactions on Control Systems Technology, 2016, 24, 1845-1852.	5.2	173
5	Observer-Based Event-Triggered Adaptive Decentralized Fuzzy Control for Nonlinear Large-Scale Systems. IEEE Transactions on Fuzzy Systems, 2019, 27, 1201-1214.	9.8	159
6	An Intelligent Spatial Collision Risk Based on the Quaternion Ship Domain. Journal of Navigation, 2010, 63, 733-749.	1.7	158
7	Self-Constructing Adaptive Robust Fuzzy Neural Tracking Control of Surface Vehicles With Uncertainties and Unknown Disturbances. IEEE Transactions on Control Systems Technology, 2015, 23, 991-1002.	5.2	155
8	Nonlinear disturbance observer-based backstepping finite-time sliding mode tracking control of underwater vehicles with system uncertainties and external disturbances. Nonlinear Dynamics, 2017, 88, 465-476.	5.2	141
9	Event-Triggered Consensus of Linear Multiagent Systems With Time-Varying Communication Delays. IEEE Transactions on Cybernetics, 2020, 50, 2916-2925.	9.5	139
10	Global Asymptotic Model-Free Trajectory-Independent Tracking Control of an Uncertain Marine Vehicle: An Adaptive Universe-Based Fuzzy Control Approach. IEEE Transactions on Fuzzy Systems, 2018, 26, 1613-1625.	9.8	133
11	Finite-time observer based accurate tracking control of a marine vehicle with complex unknowns. Ocean Engineering, 2017, 145, 406-415.	4.3	124
12	A fast and accurate online self-organizing scheme for parsimonious fuzzy neural networks. Neurocomputing, 2009, 72, 3818-3829.	5.9	122
13	Generalized Single-Hidden Layer Feedforward Networks for Regression Problems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1161-1176.	11.3	114
14	Fuzzy unknown observer-based robust adaptive path following control of underactuated surface vehicles subject to multiple unknowns. Ocean Engineering, 2019, 176, 57-64.	4.3	112
15	Reinforcement Learning-Based Optimal Tracking Control of an Unknown Unmanned Surface Vehicle. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3034-3045.	11.3	108
16	Tracking-Error-Based Universal Adaptive Fuzzy Control for Output Tracking of Nonlinear Systems with Completely Unknown Dynamics. IEEE Transactions on Fuzzy Systems, 2018, 26, 869-883.	9.8	105
17	Parsimonious Extreme Learning Machine Using Recursive Orthogonal Least Squares. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1828-1841.	11.3	104
18	Fast and Accurate Trajectory Tracking Control of an Autonomous Surface Vehicle With Unmodeled Dynamics and Disturbances. IEEE Transactions on Intelligent Vehicles, 2016, 1, 230-243.	12.7	103

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19	Hybrid finite-time trajectory tracking control of a quadrotor. ISA Transactions, 2019, 90, 278-286.	5.7	101
20	Data-Driven Performance-Prescribed Reinforcement Learning Control of an Unmanned Surface Vehicle. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5456-5467.	11.3	100
21	Attention pooling-based convolutional neural network for sentence modelling. Information Sciences, 2016, 373, 388-403.	6.9	99
22	Yaw-Guided Trajectory Tracking Control of an Asymmetric Underactuated Surface Vehicle. IEEE Transactions on Industrial Informatics, 2019, 15, 3502-3513.	11.3	99
23	A Unified Analytical Framework for Ship Domains. Journal of Navigation, 2009, 62, 643-655.	1.7	97
24	Finite-Time Unknown Observer-Based Interactive Trajectory Tracking Control of Asymmetric Underactuated Surface Vehicles. IEEE Transactions on Control Systems Technology, 2021, 29, 794-803.	5.2	94
25	Finite-Time Fault Estimator Based Fault-Tolerance Control for a Surface Vehicle With Input Saturations. IEEE Transactions on Industrial Informatics, 2020, 16, 1172-1181.	11.3	90
26	Reduced Adaptive Fuzzy Decoupling Control for Lower Limb Exoskeleton. IEEE Transactions on Cybernetics, 2021, 51, 1099-1109.	9.5	89
27	A Novel Analytical Framework for Dynamic Quaternion Ship Domains. Journal of Navigation, 2013, 66, 265-281.	1.7	88
28	A Novel Extreme Learning Control Framework of Unmanned Surface Vehicles. IEEE Transactions on Cybernetics, 2016, 46, 1106-1117.	9.5	88
29	Backpropagating Constraints-Based Trajectory Tracking Control of a Quadrotor With Constrained Actuator Dynamics and Complex Unknowns. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1322-1337.	9.3	84
30	Control design for a vibrating flexible marine riser system. Journal of the Franklin Institute, 2017, 354, 8117-8133.	3.4	82
31	Finite-Time Observer Based Guidance and Control of Underactuated Surface Vehicles With Unknown Sideslip Angles and Disturbances. IEEE Access, 2018, 6, 14059-14070.	4.2	81
32	A multilayer path planner for a USV under complex marine environments. Ocean Engineering, 2019, 184, 1-10.	4.3	81
33	Successive Waypoints Tracking of an Underactuated Surface Vehicle. IEEE Transactions on Industrial Informatics, 2020, 16, 898-908.	11.3	81
34	Sensorless control of ship propulsion interior permanent magnet synchronous motor based on a new sliding mode observer. ISA Transactions, 2015, 54, 15-26.	5.7	79
35	Review on deep learning techniques for marine object recognition: Architectures and algorithms. Control Engineering Practice, 2022, 118, 104458.	5.5	78
36	Global asymptotic output tracking of nonlinear second-order systems with power integrators. Automatica, 2017, 80, 156-161.	5.0	77

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37	Hyperbolic-Tangent LOS Guidance-Based Finite-Time Path Following of Underactuated Marine Vehicles. IEEE Transactions on Industrial Electronics, 2020, 67, 8566-8575.	7.9	72
38	Coordinated Trajectory-Tracking Control of a Marine Aerial-Surface Heterogeneous System. IEEE/ASME Transactions on Mechatronics, 2021, 26, 3198-3210.	5.8	71
39	Dynamics-Constrained Global-Local Hybrid Path Planning of an Autonomous Surface Vehicle. IEEE Transactions on Vehicular Technology, 2020, 69, 6928-6942.	6.3	69
40	Surge-Heading Guidance-Based Finite-Time Path Following of Underactuated Marine Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 8523-8532.	6.3	67
41	Multivariate Chaotic Time Series Online Prediction Based on Improved Kernel Recursive Least Squares Algorithm. IEEE Transactions on Cybernetics, 2019, 49, 1160-1172.	9.5	67
42	Full-State Regulation Control of Asymmetric Underactuated Surface Vehicles. IEEE Transactions on Industrial Electronics, 2019, 66, 8741-8750.	7.9	66
43	Path Following of Autonomous Underactuated Ships: A Translation–Rotation Cascade Control Approach. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2583-2593.	5.8	65
44	Large Tanker Motion Model Identification Using Generalized Ellipsoidal Basis Function-Based Fuzzy Neural Networks. IEEE Transactions on Cybernetics, 2015, 45, 2732-2743.	9.5	64
45	Adaptive trajectory tracking algorithm of unmanned surface vessel based on anti-windup compensator with full-state constraints. Ocean Engineering, 2020, 200, 106906.	4.3	64
46	Autonomous Pilot of Unmanned Surface Vehicles: Bridging Path Planning and Tracking. IEEE Transactions on Vehicular Technology, 2022, 71, 2358-2374.	6.3	64
47	Swarm control with collision avoidance for multiple underactuated surface vehicles. Ocean Engineering, 2019, 191, 106516.	4.3	63
48	Dynamics-Level Finite-Time Fuzzy Monocular Visual Servo of an Unmanned Surface Vehicle. IEEE Transactions on Industrial Electronics, 2020, 67, 9648-9658.	7.9	62
49	A real-time ship roll motion prediction using wavelet transform and variable RBF network. Ocean Engineering, 2018, 160, 10-19.	4.3	61
50	Fully-tuned fuzzy neural network based robust adaptive tracking control of unmanned underwater vehicle with thruster dynamics. Neurocomputing, 2016, 196, 1-13.	5.9	59
51	AN ONLINE SELF-ORGANIZING SCHEME FOR PARSIMONIOUS AND ACCURATE FUZZY NEURAL NETWORKS. International Journal of Neural Systems, 2010, 20, 389-403.	5.2	58
52	A survey on deep neural network-based image captioning. Visual Computer, 2019, 35, 445-470.	3.5	57
53	Constructive multi-output extreme learning machine with application to large tanker motion dynamics identification. Neurocomputing, 2014, 128, 59-72.	5.9	56
54	Three‐dimensional trajectory tracking of an underactuated AUV based on fuzzy dynamic surface control. IET Intelligent Transport Systems, 2020, 14, 364-370.	3.0	56

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55	A Synergetic Trust Model Based on SVM in Underwater Acoustic Sensor Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 11239-11247.	6.3	55
56	Finite-time fault-tolerant trajectory tracking control of an autonomous surface vehicle. Journal of the Franklin Institute, 2020, 357, 11114-11135.	3.4	55
57	Dynamic Tanker Steering Control Using Generalized Ellipsoidal-Basis-Function-Based Fuzzy Neural Networks. IEEE Transactions on Fuzzy Systems, 2015, 23, 1414-1427.	9.8	54
58	Finite-Time Sideslip Observer-Based Adaptive Fuzzy Path-Following Control of Underactuated Marine Vehicles with Time-Varying Large Sideslip. International Journal of Fuzzy Systems, 2018, 20, 1767-1778.	4.0	54
59	A Generalized Ellipsoidal Basis Function Based Online Self-constructing Fuzzy Neural Network. Neural Processing Letters, 2011, 34, 13-37.	3.2	49
60	Adaptive Approximation-Based Regulation Control for a Class of Uncertain Nonlinear Systems Without Feedback Linearizability. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3747-3760.	11.3	49
61	A Novel Distributed and Self-Organized Swarm Control Framework for Underactuated Unmanned Marine Vehicles. IEEE Access, 2019, 7, 112703-112712.	4.2	47
62	Global finite-time heading control of surface vehicles. Neurocomputing, 2016, 175, 662-666.	5.9	42
63	An Efficient Leave-One-Out Cross-Validation-Based Extreme Learning Machine (ELOO-ELM) With Minimal User Intervention. IEEE Transactions on Cybernetics, 2016, 46, 1939-1951.	9.5	40
64	Nussbaum-Based Adaptive Fuzzy Tracking Control of Unmanned Surface Vehicles with Fully Unknown Dynamics and Complex Input Nonlinearities. International Journal of Fuzzy Systems, 2018, 20, 259-268.	4.0	38
65	Fuzzy Uncertainty Observer-Based Path-Following Control of Underactuated Marine Vehicles with Unmodeled Dynamics and Disturbances. International Journal of Fuzzy Systems, 2018, 20, 2593-2604.	4.0	37
66	Finite‐time extended state observer‐based exact tracking control of an unmanned surface vehicle. International Journal of Robust and Nonlinear Control, 2021, 31, 1704-1719.	3.7	35
67	A Real-Time Sequential Ship Roll Prediction Scheme Based on Adaptive Sliding Data Window. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2115-2125.	9.3	34
68	Data-driven sideslip observer-based adaptive sliding-mode path-following control of underactuated marine vessels. Ocean Engineering, 2020, 197, 106910.	4.3	33
69	Data‐driven robust backstepping control of unmanned surface vehicles. International Journal of Robust and Nonlinear Control, 2020, 30, 3624-3638.	3.7	33
70	Leader–follower formation control of surface vehicles: A fixed-time control approach. ISA Transactions, 2022, 124, 356-364.	5.7	32
71	One-stage CNN detector-based benthonic organisms detection with limited training dataset. Neural Networks, 2021, 144, 247-259.	5.9	32
72	A Survey on Ship Collision Risk Evaluation. Promet - Traffic - Traffico, 2014, 26, 475-486.	0.7	31

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73	Reinforcement learning-based finite-time tracking control of an unknown unmanned surface vehicle with input constraints. Neurocomputing, 2022, 484, 26-37.	5.9	31
74	Sentiment classification using Comprehensive Attention Recurrent models. , 2016, , .		29
75	A control strategy for microgrid inverters based on adaptive three-order sliding mode and optimized droop controls. Electric Power Systems Research, 2014, 117, 192-201.	3.6	28
76	Hierarchical Path Planning of Unmanned Surface Vehicles: A Fuzzy Artificial Potential Field Approach. International Journal of Fuzzy Systems, 2021, 23, 1797-1808.	4.0	28
77	Extreme Learning-Based Monocular Visual Servo of an Unmanned Surface Vessel. IEEE Transactions on Industrial Informatics, 2021, 17, 5152-5163.	11.3	26
78	Deep reinforcement learning-based path planning of underactuated surface vessels. Cyber-Physical Systems, 2019, 5, 1-17.	2.0	25
79	Direct adaptive self-structuring fuzzy control with interpretable fuzzy rules for a class of nonlinear uncertain systems. Neurocomputing, 2016, 173, 1640-1645.	5.9	24
80	An effective semi-cross-validation model selection method for extreme learning machine with ridge regression. Neurocomputing, 2015, 151, 933-942.	5.9	22
81	Hybrid recursive least squares algorithm for online sequential identification using data chunks. Neurocomputing, 2016, 174, 651-660.	5.9	20
82	Uncertainty observation-based adaptive succinct fuzzy-neuro dynamic surface control for trajectory tracking of fully actuated underwater vehicle system with input saturation. Nonlinear Dynamics, 2019, 98, 1683-1699.	5.2	20
83	Predictive Trajectory Tracking Control of Autonomous Underwater Vehicles Based on Variable Fuzzy Predictor. International Journal of Fuzzy Systems, 2020, 23, 1809.	4.0	20
84	Robust adaptive self-organizing neuro-fuzzy tracking control of UUV with system uncertainties and unknown dead-zone nonlinearity. Nonlinear Dynamics, 2017, 89, 1397-1414.	5.2	19
85	Adaptive homography-based visual servo for micro unmanned surface vehicles. International Journal of Advanced Manufacturing Technology, 2019, 105, 4875-4882.	3.0	18
86	Self‐learning‐based optimal tracking control of an unmanned surface vehicle with pose and velocity constraints. International Journal of Robust and Nonlinear Control, 2022, 32, 2950-2968.	3.7	18
87	Station-keeping Control of an Underactuated Stratospheric Airship. International Journal of Fuzzy Systems, 2019, 21, 715-732.	4.0	16
88	Adaptive finite‐time neural network control for redundant parallel manipulators. Asian Journal of Control, 2020, 22, 2534-2542.	3.0	16
89	A multi-mode operation control strategy for flexible microgrid based on sliding-mode direct voltage and hierarchical controls. ISA Transactions, 2016, 61, 188-198.	5.7	15
90	A precise tidal prediction mechanism based on the combination of harmonic analysis and adaptive network-based fuzzy inference system model. Acta Oceanologica Sinica, 2017, 36, 94-105.	1.0	15

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91	Distributed Coordinated Tracking Control for Multiple Uncertain Euler–Lagrange Systems With Time-Varying Communication Delays. IEEE Access, 2019, 7, 12598-12609.	4.2	15
92	Swarm velocity guidance based distributed finite-time coordinated path-following for uncertain under-actuated autonomous surface vehicles. ISA Transactions, 2021, 112, 271-280.	5.7	15
93	Fuzzy PI Compound Control of PWM Rectifiers with Applications to Marine Vehicle Electric Propulsion System. International Journal of Fuzzy Systems, 2018, 20, 587-596.	4.0	14
94	Data-Driven Adaptive Tracking Control of Unknown Autonomous Marine Vehicles. IEEE Access, 2018, 6, 55723-55730.	4.2	14
95	A novel meta-cognitive-based scaffolding classifier to sequential non-stationary classification problems. , 2014, , .		12
96	Occlusion Problem-Oriented Adversarial Faster-RCNN Scheme. IEEE Access, 2019, 7, 170362-170373.	4.2	12
97	Development control and navigation of Octocopter. , 2013, , .		11
98	Multiobjective Optimization Based Vessel Collision Avoidance Strategy Optimization. Mathematical Problems in Engineering, 2014, 2014, 1-9.	1.1	11
99	Extreme learning control of surface vehicles with unknown dynamics and disturbances. Neurocomputing, 2015, 167, 535-542.	5.9	11
100	Adaptive Leader–Follower Formation for Unmanned Surface Vehicles Subject to Output Constraints. International Journal of Fuzzy Systems, 2020, 22, 2493-2503.	4.0	11
101	An Ensemble Real-Time Tidal Level Prediction Mechanism Using Multiresolution Wavelet Decomposition Method. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4856-4865.	6.3	10
102	Bearing-based formation manoeuvre control of nonholonomic multi-agent systems. International Journal of Systems Science, 2019, 50, 2993-3002.	5.5	10
103	Adaptive Frequency Tracking Control with Fuzzy PI Compound Controller for Magnetically Coupled Resonant Wireless Power Transfer. International Journal of Fuzzy Systems, 2021, 23, 1890-1903.	4.0	10
104	A Hybrid Path-Planning Scheme for an Unmanned Surface Vehicle. , 2018, , .		9
105	Fuzzy Synchronization Control of Complex Dynamical Networks Under Network Attacks and Actuator Faults. International Journal of Fuzzy Systems, 2019, 21, 2043-2053.	4.0	9
106	Global Adaptive Practical Output Tracking Control for a Class of Genuinely Nonlinear Uncertain Systems: Adding an Universal Power Integrator Approach. IEEE Access, 2016, 4, 10136-10146.	4.2	8
107	Finite-time disturbance observer based integral sliding mode control of a quadrotor. , 2018, , .		8
108	Fuzzy logic control of the fault-tolerant PMSM servo system based on MRAS observer. , 2018, , .		8

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109	Intelligent Quaternion Ship Domains for Spatial Collision Risk Assessment. Journal of Ship Research, 2012, 56, 170-182.	1.1	7
110	Fuzzy sliding mode tracking control of the quadrotor unmanned aerial vehicle with unknown disturbances. , 2016, , .		7
111	Global Exponential Trajectory Tracking Control of Underactuated Surface Vehicles Using Dynamic Surface Control Approach. , 2018, , .		7
112	Compound robust tracking control of disturbed quadrotor unmanned aerial vehicles: A data-driven cascade control approach. Transactions of the Institute of Measurement and Control, 2022, 44, 941-951.	1.7	7
113	Parallel Operation of Microgrid Inverters Based on Adaptive Sliding-Mode and Wireless Load-Sharing Controls. Journal of Power Electronics, 2015, 15, 741-752.	1.5	6
114	Finite-time observer-based model-free time-varying sliding-mode control of disturbed surface vessels. Ocean Engineering, 2022, 251, 110866.	4.3	6
115	User-Level Twitter Sentiment Analysis with a Hybrid Approach. Lecture Notes in Computer Science, 2016, , 426-433.	1.3	5
116	A Novel Fuzzy Logic Control Method for Multi-Agent Systems with Actuator Faults. , 2018, , .		5
117	Nonlinear disturbance observer-based sliding backstepping hovering control of a quadrotor. , 2018, , .		5
118	Spring-resonance-assisted maximal power tracking control of a direct-drive wave energy converter. Transactions of the Institute of Measurement and Control, 2021, 43, 3024-3030.	1.7	5
119	Fast quasi–sliding mode control of unknown QUAVs: A data–driven cascade control approach. Asian Journal of Control, 2021, 23, 2273-2292.	3.0	5
120	Implementation of an integrated navigation, guidance and control system for an unmanned surface vehicle. , 2018, , .		4
121	Robust containment control of heterogeneous non–linear multi–agent systems via power series approach. IET Control Theory and Applications, 2019, 13, 496-505.	2.1	4
122	Fuzzy Uncertainty Observer Based Filtered Sliding Mode Trajectory Tracking Control of the Quadrotor. Lecture Notes in Computer Science, 2017, , 137-147.	1.3	4
123	A Study on the Randomness Reduction Effect of Extreme Learning Machine with Ridge Regression. Lecture Notes in Computer Science, 2013, , 166-173.	1.3	4
124	Vessel Steering Control Using Generalized Ellipsoidal Basis Function Based Fuzzy Neural Networks. Lecture Notes in Computer Science, 2012, , 515-524.	1.3	4
125	Nonsingular Terminal Sliding Mode Based Trajectory Tracking Control of an Autonomous Surface Vehicle with Finite-Time Convergence. Lecture Notes in Computer Science, 2017, , 83-92.	1.3	4
126	Analytical Structure of Three-Dimensional Fuzzy Controller. , 2007, , .		3

#	ARTICLE	IF	CITATIONS
127	A systematic method to guide the choice of ridge parameter in ridge extreme learning machine. , 2013, , .		3
128	Vessel maneuvering model identification using multi-output dynamic fuzzy neural networks. , 2014, , .		3
129	A fast and effective Extreme learning machine algorithm without tuning. , 2014, , .		3
130	An online universal classifier for binary, multi-class and multi-label classification. , 2016, , .		3
131	An adaptive output regulation approach for formation control of heterogeneous multi-agent systems. , 2016, , .		3
132	Disturbance observer based finite-time trajectory tracking control of unmanned surface vehicles with unknown dead-zones. , 2017, , .		3
133	Disturbance observer-based trajectory tracking control of unmanned surface vehicles with unknown disturbances and input saturation. , 2017, , .		3
134	Data-driven robust PID control of unknown USVs. , 2020, , .		3
135	Neural Network Adaptive Control for Cooperative Path-Following of Marine Surface Vessels. Lecture Notes in Computer Science, 2012, , 507-514.	1.3	3
136	Analytical structures and stability analysis of three-dimensional fuzzy controllers. , 2008, , .		2
137	Fuzzy control system design and stability analysis for ship lift feedback fin stabilizer. , 2008, , .		2
138	Ship Manipulation Evaluation System. , 2009, , .		2
139	A fast and parsimonious fuzzy neural network (FPFNN) for function approximation. , 2009, , .		2
140	Adaptive danger area based Danger Model Immune Algorithm. , 2009, , .		2
141	A fast and compact fuzzy neural network for online extraction of fuzzy rules. , 2009, , .		2
142	An Online Self-organizing Neuro-Fuzzy System from training data. , 2010, , .		2
143	Robust incremental extreme learning machine. , 2014, , .		2
144	A novel dynamic quaternion ship domain. , 2014, , .		2

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145	Self-organizing fuzzy neural tracking control for surface ships with unmodelled dynamics and unknown disturbances. , 2014, , .		2
146	Indirect fuzzy adaptive heading control of surface ships. , 2014, , .		2
147	Finite-time trajectory tracking control of unmanned surface vehicle with input saturation. , 2016, , .		2
148	Adaptive fuzzy trajectory tracking control of unmanned surface vehicles with unknown dynamics. , 2016, , .		2
149	Fuzzy uncertainty observer based path following control of underactuated marine vehicles with unmodelled dynamics and disturbances. , 2017, , .		2
150	Surge-varying LOS based path following control of underactuated marine vehicles with accurate disturbance observation. , 2017, , .		2
151	Non-Singular Terminal Sliding Mode Tracking Control of a Quadrotor with External Disturbances. , 2018, , .		2
152	Fixed-time Trajectory Tracking Control of an Unmanned Surface Vehicle. , 2020, , .		2
153	A Novel Incremental Class Learning Technique for Multi-class Classification. Lecture Notes in Computer Science, 2016, , 474-481.	1.3	2
154	Adaptive Energy Control Strategy for a Hybrid Energy Storage System in a DC Micro-Grid of an Unmanned Surface Vehicle. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2019, 23, 287-292.	0.9	2
155	Relaxed stability conditions and systematic design of T-S fuzzy control systems. , 2008, , .		1
156	Research on Danger Model Theory Based Artificial Immune Algorithm. , 2009, , .		1
157	Time-series prediction using self-organizing fuzzy neural networks. , 2009, , .		1
158	Robust adaptive neural network control for strict-feedback nonlinear systems with uncertainties. , 2012, , .		1
159	Fuzzy heading control of a rotary electric propulsion ship with double propellers. , 2014, , .		1
160	A novel vision system for baggage localization. , 2016, , .		1
161	An improved node localization algorithm for anisotropic wireless sensor networks with holes. , 2016, , .		1
162	Finite-time disturbance observer based non-singular integral terminal sliding mode trajectory tracking control of unmanned surface vehicles. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
163	Adaptive neuro-fuzzy tracking control of UUV using sliding-mode-control-theory-based online learning algorithm. , 2016, , .		1
164	Command filtered adaptive control for integrated missile guidance and autopilot with terminal angular constraint. , 2016, , .		1
165	Global finite-time trajectory tracking control of autonomous surface vehicles. , 2016, , .		1
166	Adaptive fuzzy output regulation for formation control of unmanned surface vehicles. , 2017, , .		1
167	Progressive learning strategies for multi-class classification. , 2017, , .		1
168	Bivariate Spline Finite Element Solver for Linear Hyperbolic Equations in Two-Dimensional Spaces. Wireless Personal Communications, 2018, 102, 3067-3077.	2.7	1
169	Composite Trajectory Tracking Control of Unmanned Surface Vehicles with Disturbances and Uncertainties. , 2018, , .		1
170	Surge-Guided Adaptive LOS Based Path Following Control of Underactuated Marine Vehicles with Finite-time Unknown Rejection. , 2018, , .		1
171	Brushless DC motor control via fuzzy systems with variable contraction-expansion factors. , 2018, , .		1
172	Data-Driven Sliding Mode Control with Moving Surface for Unknown MIMO Discrete-Time Nonlinear Processes. , 2019, , .		1
173	Adaptive Discrete-Time Sliding Mode Control of Brushless DC Motor Servo System for Unmanned Surface Vehicles. Advances in Intelligent Systems and Computing, 2020, , 496-504.	0.6	1
174	Model-Free Optimized Tracking Control Heuristic. Robotics, 2020, 9, 49.	3.5	1
175	An Online Self-constructing Fuzzy Neural Network with Restrictive Growth. , 2009, , 225-247.		1
176	An Online Self-constructing Fuzzy Neural Network with Restrictive Growth. Lecture Notes in Computer Science, 2009, , 99-108.	1.3	1
177	Structure Analysis of Two-dimensional Simplest Fuzzy Controllers Using Generalized Trapezoid-shaped Input Membership Function. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 34, 466-471.	0.3	1
178	Stability Analysis of T-S Fuzzy Control System with Inputs Using General Fuzzy Partition. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 34, 1441-1445.	0.3	1
179	An Improved Learning Scheme for Extracting T-S Fuzzy Rules from Data Samples. Lecture Notes in Computer Science, 2013, , 53-60.	1.3	1
180	Design of Fuzzy-Neural-Network-Inherited Backstepping Control for Unmanned Underwater Vehicle. Lecture Notes in Computer Science, 2015, , 109-118.	1.3	1

#	ARTICLE	IF	CITATIONS
181	Guest Editorial: Special issue on neural networks-based reinforcement learning control of autonomous systems. Neurocomputing, 2021, 490, 226-226.	5.9	1
182	Analysis of structure and stability for the simplest two-dimensional fuzzy controller using generalized trapezoid-shaped input fuzzy sets. , 2008, , .		0
183	Trend Analysis of Internal Structure of Service Industry in China. , 2010, , .		0
184	A novel Online Self-organizing Fuzzy Neural Network for function approximation. , 2010, , .		0
185	Online self-constructing fuzzy neural identification for ship motion dynamics based on MMG model. , 2012, , .		0
186	Adaptive self-constructing radial-basis-function neural control for MIMO uncertain nonlinear systems with unknown disturbances. , 2014, , .		0
187	Adaptive robust tracking control of surface vessels using dynamic constructive fuzzy neural networks. , 2014, , .		0
188	Vessel maneuvering model identification using multi-output dynamic radial-basis-function networks. , 2014, , .		0
189	New inland river channel transit capacity evaluation method based on dynamic quaternion ship domain model. , 2015, , .		0
190	Disturbance observer based finite-time trajectory tracking control of unmanned surface vehicles. , 2016, , .		0
191	Deep semi-supervised learning using Multi-Layered Extreme Learning Machines. , 2016, , .		0
192	Adaptive fuzzy reaching law tracking control of uncertain fully-actuated underwater vehicles with system uncertainties and unknown disturbances. , 2016, , .		0
193	Adaptive dynamic surface tracking control of underactuated surface vessels with unknown disturbances. , 2016, , .		0
194	Fault-tolerant control and observer design for uncertain fuzzy descriptor systems. , 2017, , .		0
195	Integral sliding mode control of a marine surface vehicle with accurate tracking performance. , 2017, , .		0
196	Surge-Varying Adaptive LOS Based Path Following Control of Underactuated Marine Vehicles with Adaptive Sideslip Compensation and fuzzy Uncertainty Observation. , 2018, , .		0
197	Globally Stable Bearing-Only Formation Control of Multi-Agent Systems. , 2018, , .		0
198	Data-Driven Sliding-Mode Decoupling Control with Time-Varying Sliding Surface for Nonlinear Discrete-Time Processes. , 2018, , .		0

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199	Heading Control of an Autonomous Surface Vehicle Using Finite-Time Approach. , 2018, , .		0
200	USV Route Correction under Coastal Environment Based on Fast Marching Method1. , 2018, , .		0
201	Nonlinear Disturbance Observer Based Adaptive Integral Sliding Mode Tracking Control of a Quadrotor. Lecture Notes in Computer Science, 2018, , 719-726.	1.3	0
202	An improved siding mode controller in PMSM control system for smoother speed response and stronger robustness. , 2018, , .		0
203	Data-driven decoupling control for gas collector pressure system of coke ovens. , 2018, , .		0
204	Hybrid feedforward-feedback robust adaptive extreme learning control for Euler-Lagrange systems. , 2018, , .		0
205	The simulation by using bivariate splines for solving two dimensional non-classical diffusion problem. Cluster Computing, 2019, 22, 8131-8139.	5.0	0
206	Maximum efficiency tracking control of underwater wireless power transfer system using artificial neural networks. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2020, , 095965182094651.	1.0	0
207	Online Reinforcement Learning-Based Adaptive Tracking Control of an Unknown Unmanned Surface Vehicle with Input Saturations. , 2020, , .		0
208	Direct Adaptive Neural Dynamic Surface Control of Uncertain Nonlinear Systems with Input Saturation. Lecture Notes in Computer Science, 2012, , 406-415.	1.3	0
209	On the Equivalence between Generalized Ellipsoidal Basis Function Neural Networks and T-S Fuzzy Systems. Lecture Notes in Computer Science, 2013, , 61-69.	1.3	0
210	Generalized Single-Hidden Layer Feedforward Networks. Lecture Notes in Computer Science, 2013, , 91-98.	1.3	0
211	Data-Driven Optimized Tracking Control Heuristic for MIMO Structures: A Balance System Case Study. , 2020, , .		0
212	Decoupling Control Scheme Bridging Frequency Tracking and DC Output Stabilizing for Wireless Charging System of Autonomous Underwater Vehicles. International Journal of Control, Automation and Systems, 2022, 20, 1099-1110.	2.7	0