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	Leaderâ€“follower formation control of surface vehicles: A fixed-time control approach. ISA Transactions, 2022, 124, 356-364.	5.7	32
2	Review on deep learning techniques for marine object recognition: Architectures and algorithms. Control Engineering Practice, 2022, 118, 104458.	5.5	78
3	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
4	Reinforcement learning-based finite-time tracking control of an unknown unmanned surface vehicle with input constraints. Neurocomputing, 2022, 484, 26-37.	5.9	31
5	Autonomous Pilot of Unmanned Surface Vehicles: Bridging Path Planning and Tracking. IEEE Transactions on Vehicular Technology, 2022, 71, 2358-2374.	6.3	64
6	Selfâ€learningâ€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
7	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
8	Finite-time observer-based model-free time-varying sliding-mode control of disturbed surface vessels. Ocean Engineering, 2022, 251, 110866.	4.3	6
9	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
10	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
11	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
12	Reduced Adaptive Fuzzy Decoupling Control for Lower Limb Exoskeleton. IEEE Transactions on Cybernetics, 2021, 51, 1099-1109.	9.5	89
13	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
14	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
15	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
16	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
17	Fast quasiâ€sliding mode control of unknown QUAVs: A dataâ€driven cascade control approach. Asian Journal of Control, 2021, 23, 2273-2292.	3.0	5
18	Extreme Learning-Based Monocular Visual Servo of an Unmanned Surface Vessel. IEEE Transactions on Industrial Informatics, 2021, 17, 5152-5163.	11.3	26

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19	One-stage CNN detector-based benthonic organisms detection with limited training dataset. Neural Networks, 2021, 144, 247-259.	5.9	32
20	Coordinated Trajectory-Tracking Control of a Marine Aerial-Surface Heterogeneous System. IEEE/ASME Transactions on Mechatronics, 2021, 26, 3198-3210.	5.8	71
21	Finiteâ€time extended state observerâ€based exact tracking control of an unmanned surface vehicle. International Journal of Robust and Nonlinear Control, 2021, 31, 1704-1719.	3.7	35
22	Guest Editorial: Special issue on neural networks-based reinforcement learning control of autonomous systems. Neurocomputing, 2021, 490, 226-226.	5.9	1
23	Adaptive finiteâ€time neural network control for redundant parallel manipulators. Asian Journal of Control, 2020, 22, 2534-2542.	3.0	16
24	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
25	Finite-time fault-tolerant trajectory tracking control of an autonomous surface vehicle. Journal of the Franklin Institute, 2020, 357, 11114-11135.	3.4	55
26	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
27	Event-Triggered Consensus of Linear Multiagent Systems With Time-Varying Communication Delays. IEEE Transactions on Cybernetics, 2020, 50, 2916-2925.	9.5	139
28	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
29	Successive Waypoints Tracking of an Underactuated Surface Vehicle. IEEE Transactions on Industrial Informatics, 2020, 16, 898-908.	11.3	81
30	Data-driven sideslip observer-based adaptive sliding-mode path-following control of underactuated marine vessels. Ocean Engineering, 2020, 197, 106910.	4.3	33
31	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
32	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
33	Adaptive Leaderâ€“Follower Formation for Unmanned Surface Vehicles Subject to Output Constraints. International Journal of Fuzzy Systems, 2020, 22, 2493-2503.	4.0	11
34	Data-driven robust PID control of unknown USVs. , 2020, , .		3
35	Model-Free Optimized Tracking Control Heuristic. Robotics, 2020, 9, 49.	3.5	1
36	Fixed-time Trajectory Tracking Control of an Unmanned Surface Vehicle. , 2020, , .		2

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37	Online Reinforcement Learning-Based Adaptive Tracking Control of an Unknown Unmanned Surface Vehicle with Input Saturations. , 2020, , .		0
38	Predictive Trajectory Tracking Control of Autonomous Underwater Vehicles Based on Variable Fuzzy Predictor. International Journal of Fuzzy Systems, 2020, 23, 1809.	4.0	20
39	Dataâ€driven robust backstepping control of unmanned surface vehicles. International Journal of Robust and Nonlinear Control, 2020, 30, 3624-3638.	3.7	33
40	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
41	Dynamics-Constrained Global-Local Hybrid Path Planning of an Autonomous Surface Vehicle. IEEE Transactions on Vehicular Technology, 2020, 69, 6928-6942.	6.3	69
42	Threeâ€dimensional trajectory tracking of an underactuated AUV based on fuzzy dynamic surface control. IET Intelligent Transport Systems, 2020, 14, 364-370.	3.0	56
43	Data-Driven Optimized Tracking Control Heuristic for MIMO Structures: A Balance System Case Study. , 2020, , .		0
44	A survey on deep neural network-based image captioning. Visual Computer, 2019, 35, 445-470.	3.5	57
45	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
46	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
47	Adaptive homography-based visual servo for micro unmanned surface vehicles. International Journal of Advanced Manufacturing Technology, 2019, 105, 4875-4882.	3.0	18
48	Robust containment control of heterogeneous nonâ€linear multiâ€agent systems via power series approach. IET Control Theory and Applications, 2019, 13, 496-505.	2.1	4
49	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
50	Swarm control with collision avoidance for multiple underactuated surface vehicles. Ocean Engineering, 2019, 191, 106516.	4.3	63
51	Surge-Heading Guidance-Based Finite-Time Path Following of Underactuated Marine Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 8523-8532.	6.3	67
52	A Novel Distributed and Self-Organized Swarm Control Framework for Underactuated Unmanned Marine Vehicles. IEEE Access, 2019, 7, 112703-112712.	4.2	47
53	Path Following of Autonomous Underactuated Ships: A Translationâ€“Rotation Cascade Control Approach. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2583-2593.	5.8	65
54	A Synergetic Trust Model Based on SVM in Underwater Acoustic Sensor Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 11239-11247.	6.3	55

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55	Hybrid finite-time trajectory tracking control of a quadrotor. ISA Transactions, 2019, 90, 278-286.	5.7	101
56	A multilayer path planner for a USV under complex marine environments. Ocean Engineering, 2019, 184, 1-10.	4.3	81
57	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
58	Accurate Trajectory Tracking of Disturbed Surface Vehicles: A Finite-Time Control Approach. IEEE/ASME Transactions on Mechatronics, 2019, 24, 1064-1074.	5.8	195
59	Occlusion Problem-Oriented Adversarial Faster-RCNN Scheme. IEEE Access, 2019, 7, 170362-170373.	4.2	12
60	Bearing-based formation manoeuvre control of nonholonomic multi-agent systems. International Journal of Systems Science, 2019, 50, 2993-3002.	5.5	10
61	Data-Driven Sliding Mode Control with Moving Surface for Unknown MIMO Discrete-Time Nonlinear Processes. , 2019, , .		1
62	Full-State Regulation Control of Asymmetric Underactuated Surface Vehicles. IEEE Transactions on Industrial Electronics, 2019, 66, 8741-8750.	7.9	66
63	Distributed Coordinated Tracking Control for Multiple Uncertain Eulerâ€“Lagrange Systems With Time-Varying Communication Delays. IEEE Access, 2019, 7, 12598-12609.	4.2	15
64	Station-keeping Control of an Underactuated Stratospheric Airship. International Journal of Fuzzy Systems, 2019, 21, 715-732.	4.0	16
65	Yaw-Guided Trajectory Tracking Control of an Asymmetric Underactuated Surface Vehicle. IEEE Transactions on Industrial Informatics, 2019, 15, 3502-3513.	11.3	99
66	Deep reinforcement learning-based path planning of underactuated surface vessels. Cyber-Physical Systems, 2019, 5, 1-17.	2.0	25
67	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
68	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
69	The simulation by using bivariate splines for solving two dimensional non-classical diffusion problem. Cluster Computing, 2019, 22, 8131-8139.	5.0	0
70	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
71	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
72	Bivariate Spline Finite Element Solver for Linear Hyperbolic Equations in Two-Dimensional Spaces. Wireless Personal Communications, 2018, 102, 3067-3077.	2.7	1

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73	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
74	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
75	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
76	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
77	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
78	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
79	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
80	Composite Trajectory Tracking Control of Unmanned Surface Vehicles with Disturbances and Uncertainties. , 2018, , .		1
81	Surge-Varying Adaptive LOS Based Path Following Control of Underactuated Marine Vehicles with Adaptive Sideslip Compensation and fuzzy Uncertainty Observation. , 2018, , .		0
82	Non-Singular Terminal Sliding Mode Tracking Control of a Quadrotor with External Disturbances. , 2018, , .		2
83	Globally Stable Bearing-Only Formation Control of Multi-Agent Systems. , 2018, , .		0
84	Data-Driven Sliding-Mode Decoupling Control with Time-Varying Sliding Surface for Nonlinear Discrete-Time Processes. , 2018, , .		0
85	Data-Driven Adaptive Tracking Control of Unknown Autonomous Marine Vehicles. IEEE Access, 2018, 6, 55723-55730.	4.2	14
86	Global Exponential Trajectory Tracking Control of Underactuated Surface Vehicles Using Dynamic Surface Control Approach. , 2018, , .		7
87	A Novel Fuzzy Logic Control Method for Multi-Agent Systems with Actuator Faults. , 2018, , .		5
88	Surge-Guided Adaptive LOS Based Path Following Control of Underactuated Marine Vehicles with Finite-time Unknown Rejection. , 2018, , .		1
89	Heading Control of an Autonomous Surface Vehicle Using Finite-Time Approach. , 2018, , .		0
90	USV Route Correction under Coastal Environment Based on Fast Marching Method1. , 2018, , .		0

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91	Nonlinear Disturbance Observer Based Adaptive Integral Sliding Mode Tracking Control of a Quadrotor. Lecture Notes in Computer Science, 2018, , 719-726.	1.3	0
92	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
93	Finite-time disturbance observer based integral sliding mode control of a quadrotor. , 2018, , .		8
94	Nonlinear disturbance observer-based sliding backstepping hovering control of a quadrotor. , 2018, , .		5
95	An improved siding mode controller in PMSM control system for smoother speed response and stronger robustness. , 2018, , .		0
96	Data-driven decoupling control for gas collector pressure system of coke ovens. , 2018, , .		0
97	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
98	Brushless DC motor control via fuzzy systems with variable contraction-expansion factors. , 2018, , .		1
99	Fuzzy logic control of the fault-tolerant PMSM servo system based on MRAS observer. , 2018, , .		8
100	A Hybrid Path-Planning Scheme for an Unmanned Surface Vehicle. , 2018, , .		9
101	A real-time ship roll motion prediction using wavelet transform and variable RBF network. Ocean Engineering, 2018, 160, 10-19.	4.3	61
102	Hybrid feedforward-feedback robust adaptive extreme learning control for Euler-Lagrange systems. , 2018, , .		0
103	Implementation of an integrated navigation, guidance and control system for an unmanned surface vehicle. , 2018, , .		4
104	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
105	Global asymptotic output tracking of nonlinear second-order systems with power integrators. Automatica, 2017, 80, 156-161.	5.0	77
106	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
107	Finite-time observer based accurate tracking control of a marine vehicle with complex unknowns. Ocean Engineering, 2017, 145, 406-415.	4.3	124
108	Control design for a vibrating flexible marine riser system. Journal of the Franklin Institute, 2017, 354, 8117-8133.	3.4	82

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109	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
110	Disturbance observer based finite-time trajectory tracking control of unmanned surface vehicles with unknown dead-zones. , 2017, , .		3
111	Fault-tolerant control and observer design for uncertain fuzzy descriptor systems. , 2017, , .		0
112	Adaptive fuzzy output regulation for formation control of unmanned surface vehicles. , 2017, , .		1
113	Fuzzy uncertainty observer based path following control of underactuated marine vehicles with unmodelled dynamics and disturbances. , 2017, , .		2
114	Disturbance observer-based trajectory tracking control of unmanned surface vehicles with unknown disturbances and input saturation. , 2017, , .		3
115	Progressive learning strategies for multi-class classification. , 2017, , .		1
116	Integral sliding mode control of a marine surface vehicle with accurate tracking performance. , 2017, , .		0
117	Surge-varying LOS based path following control of underactuated marine vehicles with accurate disturbance observation. , 2017, , .		2
118	Fuzzy Uncertainty Observer Based Filtered Sliding Mode Trajectory Tracking Control of the Quadrotor. Lecture Notes in Computer Science, 2017, , 137-147.	1.3	4
119	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
120	A novel vision system for baggage localization. , 2016, , .		1
121	User-Level Twitter Sentiment Analysis with a Hybrid Approach. Lecture Notes in Computer Science, 2016, , 426-433.	1.3	5
122	Finite-time trajectory tracking control of unmanned surface vehicle with input saturation. , 2016, , .		2
123	Disturbance observer based finite-time trajectory tracking control of unmanned surface vehicles. , 2016, , .		0
124	An improved node localization algorithm for anisotropic wireless sensor networks with holes. , 2016, , .		1
125	Finite-time disturbance observer based non-singular integral terminal sliding mode trajectory tracking control of unmanned surface vehicles. , 2016, , .		1
126	An online universal classifier for binary, multi-class and multi-label classification. , 2016, , .		3

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127	Fuzzy sliding mode tracking control of the quadrotor unmanned aerial vehicle with unknown disturbances. , 2016, , .		7
128	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
129	An adaptive output regulation approach for formation control of heterogeneous multi-agent systems. , 2016, , .		3
130	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
131	Attention pooling-based convolutional neural network for sentence modelling. Information Sciences, 2016, 373, 388-403.	6.9	99
132	Deep semi-supervised learning using Multi-Layered Extreme Learning Machines. , 2016, , .		0
133	Adaptive neuro-fuzzy tracking control of UUV using sliding-mode-control-theory-based online learning algorithm. , 2016, , .		1
134	Adaptive fuzzy trajectory tracking control of unmanned surface vehicles with unknown dynamics. , 2016, , .		2
135	Command filtered adaptive control for integrated missile guidance and autopilot with terminal angular constraint. , 2016, , .		1
136	Sentiment classification using Comprehensive Attention Recurrent models. , 2016, , .		29
137	Global finite-time trajectory tracking control of autonomous surface vehicles. , 2016, , .		1
138	Adaptive fuzzy reaching law tracking control of uncertain fully-actuated underwater vehicles with system uncertainties and unknown disturbances. , 2016, , .		0
139	Adaptive dynamic surface tracking control of underactuated surface vessels with unknown disturbances. , 2016, , .		0
140	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
141	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
142	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
143	Hybrid recursive least squares algorithm for online sequential identification using data chunks. Neurocomputing, 2016, 174, 651-660.	5.9	20
144	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

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145	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
146	Global finite-time heading control of surface vehicles. Neurocomputing, 2016, 175, 662-666.	5.9	42
147	A Novel Extreme Learning Control Framework of Unmanned Surface Vehicles. IEEE Transactions on Cybernetics, 2016, 46, 1106-1117.	9.5	88
148	Adaptive Robust Online Constructive Fuzzy Control of a Complex Surface Vehicle System. IEEE Transactions on Cybernetics, 2016, 46, 1511-1523.	9.5	178
149	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
150	A Novel Incremental Class Learning Technique for Multi-class Classification. Lecture Notes in Computer Science, 2016, , 474-481.	1.3	2
151	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
152	New inland river channel transit capacity evaluation method based on dynamic quaternion ship domain model. , 2015, , .		0
153	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
154	Extreme learning control of surface vehicles with unknown dynamics and disturbances. Neurocomputing, 2015, 167, 535-542.	5.9	11
155	An effective semi-cross-validation model selection method for extreme learning machine with ridge regression. Neurocomputing, 2015, 151, 933-942.	5.9	22
156	Generalized Single-Hidden Layer Feedforward Networks for Regression Problems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1161-1176.	11.3	114
157	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
158	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
159	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
160	Design of Fuzzy-Neural-Network-Inherited Backstepping Control for Unmanned Underwater Vehicle. Lecture Notes in Computer Science, 2015, , 109-118.	1.3	1
161	Fuzzy heading control of a rotary electric propulsion ship with double propellers. , 2014, , .		1
162	Adaptive self-constructing radial-basis-function neural control for MIMO uncertain nonlinear systems with unknown disturbances. , 2014, , .		0

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163	Multiobjective Optimization Based Vessel Collision Avoidance Strategy Optimization. Mathematical Problems in Engineering, 2014, 2014, 1-9.	1.1	11
164	Robust incremental extreme learning machine. , 2014, , .		2
165	A novel dynamic quaternion ship domain. , 2014, , .		2
166	Adaptive robust tracking control of surface vessels using dynamic constructive fuzzy neural networks. , 2014, , .		0
167	Self-organizing fuzzy neural tracking control for surface ships with unmodelled dynamics and unknown disturbances. , 2014, , .		2
168	Indirect fuzzy adaptive heading control of surface ships. , 2014, , .		2
169	Vessel maneuvering model identification using multi-output dynamic fuzzy neural networks. , 2014, , .		3
170	Vessel maneuvering model identification using multi-output dynamic radial-basis-function networks. , 2014, , .		0
171	Constructive multi-output extreme learning machine with application to large tanker motion dynamics identification. Neurocomputing, 2014, 128, 59-72.	5.9	56
172	A fast and effective Extreme learning machine algorithm without tuning. , 2014, , .		3
173	A novel meta-cognitive-based scaffolding classifier to sequential non-stationary classification problems. , 2014, , .		12
174	Parsimonious Extreme Learning Machine Using Recursive Orthogonal Least Squares. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1828-1841.	11.3	104
175	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
176	A Survey on Ship Collision Risk Evaluation. Promet - Traffic - Traffico, 2014, 26, 475-486.	0.7	31
177	Development control and navigation of Octocopter. , 2013, , .		11
178	A systematic method to guide the choice of ridge parameter in ridge extreme learning machine. , 2013, , .		3
179	A Novel Analytical Framework for Dynamic Quaternion Ship Domains. Journal of Navigation, 2013, 66, 265-281.	1.7	88
180	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

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181	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
182	An Improved Learning Scheme for Extracting T-S Fuzzy Rules from Data Samples. Lecture Notes in Computer Science, 2013, , 53-60.	1.3	1
183	Generalized Single-Hidden Layer Feedforward Networks. Lecture Notes in Computer Science, 2013, , 91-98.	1.3	0
184	Intelligent Quaternion Ship Domains for Spatial Collision Risk Assessment. Journal of Ship Research, 2012, 56, 170-182.	1.1	7
185	Robust adaptive neural network control for strict-feedback nonlinear systems with uncertainties. , 2012, , .		1
186	Online self-constructing fuzzy neural identification for ship motion dynamics based on MMG model. , 2012, , .		0
187	Neural Network Adaptive Control for Cooperative Path-Following of Marine Surface Vessels. Lecture Notes in Computer Science, 2012, , 507-514.	1.3	3
188	Vessel Steering Control Using Generalized Ellipsoidal Basis Function Based Fuzzy Neural Networks. Lecture Notes in Computer Science, 2012, , 515-524.	1.3	4
189	Direct Adaptive Neural Dynamic Surface Control of Uncertain Nonlinear Systems with Input Saturation. Lecture Notes in Computer Science, 2012, , 406-415.	1.3	0
190	A Generalized Ellipsoidal Basis Function Based Online Self-constructing Fuzzy Neural Network. Neural Processing Letters, 2011, 34, 13-37.	3.2	49
191	An Intelligent Spatial Collision Risk Based on the Quaternion Ship Domain. Journal of Navigation, 2010, 63, 733-749.	1.7	158
192	Trend Analysis of Internal Structure of Service Industry in China. , 2010, , .		0
193	AN ONLINE SELF-ORGANIZING SCHEME FOR PARSIMONIOUS AND ACCURATE FUZZY NEURAL NETWORKS. International Journal of Neural Systems, 2010, 20, 389-403.	5.2	58
194	An Online Self-organizing Neuro-Fuzzy System from training data. , 2010, , .		2
195	A novel Online Self-organizing Fuzzy Neural Network for function approximation. , 2010, , .		0
196	Ship Manipulation Evaluation System. , 2009, , .		2
197	A fast and parsimonious fuzzy neural network (FPFNN) for function approximation. , 2009, , .		2
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