Dan Wang

List of Publications by Year
in descending order

273 papers	9,910 citations	50276 46 h-index	37204 96 g-index
275 all docs	275 docs citations	275 times ranked	3511 citing authors

#	Article	IF	Citations
1	Safety-Critical Containment Maneuvering of Underactuated Autonomous Surface Vehicles Based on Neurodynamic Optimization With Control Barrier Functions. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2882-2895.	11.3	35
2	Lyapunov-Based Fast Finite-State Model Predictive Control for Sensorless Three-Phase Four-Arm MMC. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 2930-2941.	5.4	3
3	Neural Predictor-Based Dynamic Surface Predictive Control for Power Converters. IEEE Transactions on Industrial Electronics, 2023, 70, 1057-1065.	7.9	13
4	Advances in Line-of-Sight Guidance for Path Following of Autonomous Marine Vehicles: An Overview. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 12-28.	9.3	61
5	Event-Triggered ESO-Based Robust MPC for Power Converters. IEEE Transactions on Industrial Electronics, 2023, 70, 2144-2152.	7.9	11
6	Fixed-Time Resilient Edge-Triggered Estimation and Control of Surface Vehicles for Cooperative Target Tracking Under Attacks. IEEE Transactions on Intelligent Vehicles, 2023, 8, 547-556.	12.7	27
7	Event-Triggered Neural-Predictor-Based FCS-MPC for MMC. IEEE Transactions on Industrial Electronics, 2022, 69, 6433-6440.	7.9	24
8	Network-Based Line-of-Sight Path Tracking of Underactuated Unmanned Surface Vehicles With Experiment Results. IEEE Transactions on Cybernetics, 2022, 52, 10937-10947.	9.5	30
9	Model-Free Containment Control of Underactuated Surface Vessels Under Switching Topologies Based on Guiding Vector Fields and Data-Driven Neural Predictors. IEEE Transactions on Cybernetics, 2022, 52, 10843-10854.	9.5	32
10	Cooperative Target Enclosing of Ring-Networked Underactuated Autonomous Surface Vehicles Based on Data-Driven Fuzzy Predictors and Extended State Observers. IEEE Transactions on Fuzzy Systems, 2022, 30, 2515-2528.	9.8	34
11	Data-driven adaptive extended state observer design for autonomous surface vehicles with unknown input gains based on concurrent learning. Neurocomputing, 2022, 467, 337-347.	5.9	18
12	Event-Triggered Cooperative Path Following of Autonomous Surface Vehicles Over Wireless Network With Experiment Results. IEEE Transactions on Industrial Electronics, 2022, 69, 11479-11489.	7.9	27
13	Distributed Output-Feedback Control of Unmanned Container Transporter Platooning With Uncertainties and Disturbances Using Event-Triggered Mechanism. IEEE Transactions on Vehicular Technology, 2022, 71, 162-170.	6.3	12
14	Neural Predictor-Based Low Switching Frequency FCS-MPC for MMC With Online Weighting Factors Tuning. IEEE Transactions on Power Electronics, 2022, 37, 4065-4079.	7.9	15
15	Distributed optimization for coordinated dynamic positioning of multiple surface vessels based on asymptotically stable ESOs. Ocean Engineering, 2022, 246, 110507.	4.3	6
16	Anti-disturbance leader–follower synchronization control of marine vessels for underway replenishment based on robust exact differentiators. Ocean Engineering, 2022, 248, 110686.	4.3	15
17	Online adaptive parameter identification of an unmanned surface vehicle without persistency of excitation. Ocean Engineering, 2022, 250, 110232.	4.3	12
18	Disturbance observers and extended state observers for marine vehicles: A survey. Control Engineering Practice, 2022, 123, 105158.	5.5	52

#	Article	IF	Citations
19	A General Safety-Certified Cooperative Control Architecture for Interconnected Intelligent Surface Vehicles With Applications to Vessel Train. IEEE Transactions on Intelligent Vehicles, 2022, 7, 627-637.	12.7	21
20	Weather optimal area-keeping control for underactuated autonomous surface vehicle with input time-delay. International Journal of Naval Architecture and Ocean Engineering, 2022, 14, 100456.	2.3	1
21	Data-Driven Neural Predictors-Based Robust MPC for Power Converters. IEEE Transactions on Power Electronics, 2022, 37, 11650-11661.	7.9	19
22	Resource-aware synchronized path following of multiple unmanned surface vehicles with experiments: A cooperative vector field approach. Control Engineering Practice, 2022, 124, 105184.	5.5	6
23	Multi-ASV Motion Planning for Formation Reconfiguration based on Control Barrier Functions. IFAC-PapersOnLine, 2022, 55, 223-227.	0.9	2
24	Safety-Critical Model-Free Control for Multi-Target Tracking of USVs with Collision Avoidance. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1323-1326.	13.1	11
25	Observer-Based Finite-Time Control for Distributed Path Maneuvering of Underactuated Unmanned Surface Vehicles With Collision Avoidance and Connectivity Preservation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5105-5115.	9.3	89
26	An Overview of Recent Advances in Coordinated Control of Multiple Autonomous Surface Vehicles. IEEE Transactions on Industrial Informatics, 2021, 17, 732-745.	11.3	306
27	Distributed Containment Maneuvering of Uncertain Multiagent Systems in MIMO Strict-Feedback Form. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1354-1364.	9.3	33
28	A Fast Finite-Level-State Model Predictive Control Strategy for Sensorless Modular Multilevel Converter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 3570-3581.	5.4	20
29	Path-Guided Containment Maneuvering of Mobile Robots: Theory and Experiments. IEEE Transactions on Industrial Electronics, 2021, 68, 7178-7187.	7.9	30
30	Anti-Disturbance Dynamic Surface Control for Position Tracking of Interior Permanent Magnet Synchronous Motor Based on Nonlinear Extended State Observer. IEEE Access, 2021, 9, 84180-84190.	4.2	1
31	Data-Driven Adaptive Disturbance Observers for Model-Free Trajectory Tracking Control of Maritime Autonomous Surface Ships. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5584-5594.	11.3	56
32	Distributed Path Following of Multiple Under-Actuated Autonomous Surface Vehicles Based on Data-Driven Neural Predictors via Integral Concurrent Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5334-5344.	11.3	74
33	Linear and exponential fault-assistant feature extraction methods for process monitoring. Control Engineering Practice, 2021, 109, 104732.	5.5	3
34	PWM-driven model predictive speed control for an unmanned surface vehicle with unknown propeller dynamics based on parameter identification and neural prediction. Neurocomputing, 2021, 432, 1-9.	5.9	14
35	Coordinated target tracking by multiple unmanned surface vehicles with communication delays based on a distributed event-triggered extended state observer. Ocean Engineering, 2021, 227, 108283.	4.3	45
36	Global-local based wavelet functional principal component analysis for fault detection and diagnosis in batch processes. Chemometrics and Intelligent Laboratory Systems, 2021, 212, 104279.	3.5	3

#	Article	IF	Citations
37	Collision-free Cooperative Kinematic Guidance Laws for Multiple Unmanned Surface Vehicles Subject to Static and Dynamic Obstacles. , 2021, , .		0
38	Learning to Control of an Under-actuated Autonomous Surface Vehicle Based on Model-based Deep Reinforcement Learning. , 2021, , .		0
39	Prediction-Based Event-triggered Extended State Observers Design for Unmanned Surface Vehicles. , 2021, , .		1
40	Cooperative Diving of Multiple Under-actuated Saucer-type Autonomous Underwater Gliders Based on Linear Extended State Observers. , 2021, , .		0
41	Extended state observer based anti-disturbance tracking control for omnidirectional mobile robots subject to uncertainties and wheel skidding. , 2021, , .		0
42	Event-triggered distributed coordinated control of networked autonomous surface vehicles subject to fully unknown kinetics via concurrent-learning-based neural predictor. Ocean Engineering, 2021, 234, 108966.	4.3	21
43	Extended-state-observer-based distributed model predictive formation control of under-actuated unmanned surface vehicles with collision avoidance. Ocean Engineering, 2021, 238, 109587.	4.3	36
44	Predictor-Based Neural Network Finite-Set Predictive Control for Modular Multilevel Converter. IEEE Transactions on Industrial Electronics, 2021, 68, 11621-11627.	7.9	35
45	Efficient model-free predictive power control for active front-end modular multilevel converter. International Journal of Electrical Power and Energy Systems, 2021, 132, 107058.	5.5	2
46	Output-Based Tracking Control for a Class of Car-Like Mobile Robot Subject to Slipping and Skidding Using Event-Triggered Mechanism. Electronics (Switzerland), 2021, 10, 2886.	3.1	1
47	Self-triggered three-dimensional coordinated path following of disk-type autonomous underwater gliders based on low-frequency learning fuzzy predictors. Ocean Engineering, 2021, 242, 110104.	4.3	5
48	Cooperative Trajectory Tracking of Multiple Unmanned Surface Vehicles via Distributed Time-Varying Optimization. , 2021, , .		0
49	Adaptive Parameter Identification of Maritime Autonomous Surface Ships with Exponential Convergence. , 2021, , .		0
50	Neural Network Based Adaptive Dynamic Surface Control for Omnidirectional Mobile Robots Tracking Control with Full-state Constraints and Input Saturation. International Journal of Control, Automation and Systems, 2021, 19, 4067-4077.	2.7	6
51	Model Predictive Direct Power Control for PWM Rectifiers Based on Online Parameter Identification. , 2021, , .		2
52	Cooperative Path Following Ring-Networked Under-Actuated Autonomous Surface Vehicles: Algorithms and Experimental Results. IEEE Transactions on Cybernetics, 2020, 50, 1519-1529.	9.5	124
53	Adaptive bounded neural network control for coordinated path-following of networked underactuated autonomous surface vehicles under time-varying state-dependent cyber-attack. ISA Transactions, 2020, 104, 212-221.	5.7	40
54	Output-Feedback Cooperative Formation Maneuvering of Autonomous Surface Vehicles With Connectivity Preservation and Collision Avoidance. IEEE Transactions on Cybernetics, 2020, 50, 2527-2535.	9.5	215

#	Article	IF	Citations
55	Finite-Level-State Model Predictive Control for Sensorless Three-Phase Four-Arm Modular Multilevel Converter. IEEE Transactions on Power Electronics, 2020, 35, 4462-4466.	7.9	34
56	Line-of-Sight Target Enclosing of an Underactuated Autonomous Surface Vehicle With Experiment Results. IEEE Transactions on Industrial Informatics, 2020, 16, 832-841.	11.3	66
57	Wavelet functional principal component analysis for batch process monitoring. Chemometrics and Intelligent Laboratory Systems, 2020, 196, 103897.	3.5	25
58	Event-triggered ISS-modular neural network control for containment maneuvering of nonlinear strict-feedback multi-agent systems. Neurocomputing, 2020, 377, 314-324.	5.9	18
59	Model predictive direct power control for modular multilevel converter under unbalanced conditions with power compensation and circulating current reduction. ISA Transactions, 2020, 106, 318-329.	5.7	9
60	Functional Soft Sensor Based on Spectra Data for Predicting Multiple Quality Variables. IEEE Access, 2020, 8, 160355-160362.	4.2	1
61	Event-triggered LOS Guidance for Path Following of an Unmanned Surface Vehicle over Wireless Network. , 2020, , .		1
62	Mobile Robot Localization Using Soft Sensor. , 2020, , .		0
63	Lyapunov-based finite control-set model predictive control for nested neutral point-clamped converters without weighting factors. International Journal of Electrical Power and Energy Systems, 2020, 121, 106071.	5.5	11
64	Event-triggered extended state observers design for dynamic positioning vessels subject to unknown sea loads. Ocean Engineering, 2020, 209, 107242.	4.3	81
65	Event-triggered control for containment maneuvering of second-order MIMO multi-agent systems with unmatched uncertainties and disturbances. Chinese Journal of Aeronautics, 2020, 33, 2959-2971.	5.3	15
66	Event-triggered neural network control of autonomous surface vehicles over wireless network. Science China Information Sciences, 2020, 63, 1.	4.3	10
67	Improved super‐twisting sliding mode control of a stand‐alone DFIG‐DC system with harmonic current suppression. IET Power Electronics, 2020, 13, 1311-1320.	2.1	12
68	Nonlinear observer design for a robotic unmanned surface vehicle with experiment results. Applied Ocean Research, 2020, 95, 102028.	4.1	15
69	Monitoring Framework Based on Generalized Tensor PCA for Three-Dimensional Batch Process Data. Industrial & Engineering Chemistry Research, 2020, 59, 10493-10508.	3.7	15
70	Robust Distributed Guidance and Control of Multiple Autonomous Surface Vehicles based on Extended State Observers and Finite-set Model Predictive Control. , 2020, , .		2
71	ESO-based guidance law for distributed path maneuvering of multiple autonomous surface vehicles with a time-varying formation. , 2020, , 287-308.		0
72	Path Planning of an Saucer-type Autonomous Underwater Glider based on Adaptive Quantum-behaved Particle Swarm Optimization. , 2020, , .		3

#	Article	IF	Citations
73	Cascade-Free Fuzzy Finite-Control-Set Model Predictive Control for Nested Neutral Point-Clamped Converters With Low Switching Frequency. IEEE Transactions on Control Systems Technology, 2019, 27, 2237-2244.	5.2	46
74	An improved finite control-set model predictive control for nested neutral point-clamped converters under both balanced and unbalanced grid conditions. International Journal of Electrical Power and Energy Systems, 2019, 104, 910-923.	5.5	26
75	Anti-disturbance Coordinated Path-following Control of Robotic Autonomous Surface Vehicles: Theory and Experiment. IEEE/ASME Transactions on Mechatronics, 2019, , 1-1.	5.8	32
76	Adaptive Cooperative Diving of Saucer-Type Underwater Gliders Subject to Model Uncertainties and Input Constraints. IEEE Access, 2019, 7, 60042-60054.	4.2	6
77	Distributed containment maneuvering of uncertain under-actuated unmanned surface vehicles guided by multiple virtual leaders with a formation. Ocean Engineering, 2019, 187, 105996.	4.3	61
78	An Optimal Voltage-Level Based Model Predictive Control Approach for Four-Level T-Type Nested Neutral Point Clamped Converter With Reduced Calculation Burden. IEEE Access, 2019, 7, 87458-87468.	4.2	10
79	Direct voltage control of stand–alone DFIG under asymmetric loads based on non–singular terminal sliding mode control and improved extended state observer. IET Electric Power Applications, 2019, 13, 958-968.	1.8	8
80	An Asymptotically Stable Identifier Design for Unmanned Surface Vehicles Based on Neural Networks and Robust Integral Sign of the Error. Lecture Notes in Computer Science, 2019, , 54-61.	1.3	0
81	Path-guided time-varying formation control with collision avoidance and connectivity preservation of under-actuated autonomous surface vehicles subject to unknown input gains. Ocean Engineering, 2019, 191, 106501.	4.3	81
82	Robust precision attitude tracking of an uncertain rigid spacecraft based on regulation theory. International Journal of Robust and Nonlinear Control, 2019, 29, 5290-5290.	3.7	2
83	Modular neural dynamic surface control for position tracking of permanent magnet synchronous motor subject to unknown uncertainties. Neurocomputing, 2019, 360, 163-171.	5.9	10
84	Robust precision attitude tracking of an uncertain rigid spacecraft based on regulation theory. International Journal of Robust and Nonlinear Control, 2019, 29, 3666-3683.	3.7	10
85	Output-Feedback Control for Cooperative Diving of Saucer-Type Underwater Gliders Based on a Fuzzy Observer and Event-Triggered Communication. IEEE Access, 2019, 7, 50453-50465.	4.2	8
86	Direct voltage regulation of a stand–alone DFIG system with non–linear loads based on an improved–extended state observer and SSM control. IET Renewable Power Generation, 2019, 13, 1891-1901.	3.1	5
87	Neural-Network-based Finite-Set Model Predictive Control of an Autonomous Surface Vehicle Powered by an Electrical Motor. , 2019, , .		1
88	Finite-set Model Predictive Speed and Heading Control of Autonomous Surface Vehicles with Unmeasured States. , 2019, , .		1
89	Path-guided Collision-free Formation Guidance Law for a Fleet of Under-actuated Autonomous Surface Vehicles. , 2019, , .		0
90	Nonsingular Terminal Sliding Mode Based Vector Control for Stand-alone Doubly Fed Induction Generator. , 2019, , .		1

#	Article	IF	Citations
91	A Multi-Layer Sequential Model Predictive Control of Three-Phase Two-Leg Seven-Level T-Type Nested Neutral Point Clamped Converter Without Weighting Factors. IEEE Access, 2019, 7, 162735-162746.	4.2	16
92	Event-triggered Modular Neural Network Control for Containment Maneuvering of Second-order MIMO Multi-agent Systems. , 2019, , .		0
93	State recovery and disturbance estimation of unmanned surface vehicles based on nonlinear extended state observers. Ocean Engineering, 2019, 171, 625-632.	4.3	115
94	Bounded Neural Network Control for Target Tracking of Underactuated Autonomous Surface Vehicles in the Presence of Uncertain Target Dynamics. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1241-1249.	11.3	142
95	Adaptive Fuzzy Containment Control of Nonlinear Systems With Unmeasurable States. IEEE Transactions on Cybernetics, 2019, 49, 961-973.	9.5	38
96	Consensus Maneuvering for a Class of Nonlinear Multivehicle Systems in Strict-Feedback Form. IEEE Transactions on Cybernetics, 2019, 49, 1759-1767.	9.5	40
97	Intelligent Fuzzy Kinetic Control for an Under-Actuated Autonomous Surface Vehicle via Stochastic Gradient Descent. Lecture Notes in Computer Science, 2019, , 93-100.	1.3	0
98	Distributed Maneuvering of Autonomous Surface Vehicles Based on Neurodynamic Optimization and Fuzzy Approximation. IEEE Transactions on Control Systems Technology, 2018, 26, 1083-1090.	5.2	291
99	A simplified multiâ€objective optimizationâ€based direct finiteâ€controlâ€set model predictive control for active frontâ€end rectifiers with fast dynamic response. IEEJ Transactions on Electrical and Electronic Engineering, 2018, 13, 285-294.	1.4	1
100	Extended-State-Observer-Based Collision-Free Guidance Law for Target Tracking of Autonomous Surface Vehicles with Unknown Target Dynamics. Complexity, 2018, 2018, 1-10.	1.6	13
101	An Improved Calculation Method for Short Circuit Current of Marine Power System. , 2018, , .		0
102	Maximum Power Tracking Control of Wind Energy Conversion Systems Based on Prescribed Performance Function and Extended State Observer. , 2018, , .		1
103	Distributed Kinematic Guidance Law for Containment Maneuvering of Underactuated Autonomous Surface Vehicles. , 2018, , .		0
104	Strong iISS Target Tracking Controller Design for an Unmanned Surface Vehicle with Uncertain Follower Dynamics and Target Dynamics. , 2018, , .		0
105	Predictor-based Bounded Fuzzy Control for Target Enclosing of an Autonomous Surface Vehicle. , 2018, , .		0
106	Prescribed Performance Control of Double-Fed Induction Generator with Uncertainties. Lecture Notes in Computer Science, 2018, , 3-14.	1.3	0
107	Identification of Vessel Kinetics BasedÂonÂNeural Networks viaÂConcurrent Learning. Lecture Notes in Computer Science, 2018, , 107-114.	1.3	0
108	Multi-objective fuzzy-decision-making-based FS-MPC with improved performance for grid-connected converters. Electrical Engineering, 2018, 100, 2439-2456.	2.0	5

#	Article	IF	Citations
109	Saturated guidance law for distributed containment maneuvering of fully-actuated autonomous surface vehicles under a directed graph. , 2018, , .		1
110	A Computationally Efficient FCS-MPC Method Without Weighting Factors for NNPCs With Optimal Duty Cycle Control. IEEE/ASME Transactions on Mechatronics, 2018, 23, 2503-2514.	5.8	42
111	Nonlinear Observer Design for a Robotic Unmanned Surface Vehicle Using GPS and IMU Measurements with Experimental Results. , 2018, , .		0
112	Containment Maneuvering for a Class of Uncertain Nonlinear Systems Based on Concurrent Learning. , 2018, , .		0
113	Research on Reliability for Electrical System. DEStech Transactions on Engineering and Technology Research, 2018, , .	0.0	0
114	Predictor‐based adaptive dynamic surface control for consensus of uncertain nonlinear systems in strict‐feedback form. International Journal of Adaptive Control and Signal Processing, 2017, 31, 68-82.	4.1	29
115	Fault-tolerant containment control of uncertain nonlinear systems in strict-feedback form. International Journal of Robust and Nonlinear Control, 2017, 27, 497-511.	3.7	36
116	Distributed‰Containment‰Maneuvering of Multiple Marine Vessels via Neurodynamics-Based Output Feedback. IEEE Transactions on Industrial Electronics, 2017, 64, 3831-3839.	7.9	269
117	Modular Adaptive Control for LOS-Based Cooperative Path Maneuvering of Multiple Underactuated Autonomous Surface Vehicles. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1613-1624.	9.3	128
118	Improved finite-control-set model predictive control for active front-end rectifiers with simplified computational approach and on-line parameter identification. ISA Transactions, 2017, 69, 51-64.	5.7	30
119	Cooperative learning neural network output feedback control of uncertain nonlinear multi-agent systems under directed topologies. International Journal of Systems Science, 2017, 48, 2590-2598.	5.5	4
120	Multivariate time series online prediction based on adaptive normalized sparse kernel recursive least squares algorithm. , 2017, , .		2
121	ESO-Based Line-of-Sight Guidance Law for Path Following of Underactuated Marine Surface Vehicles With Exact Sideslip Compensation. IEEE Journal of Oceanic Engineering, 2017, 42, 477-487.	3.8	233
122	Containment Maneuvering of Marine Surface Vehicles With Multiple Parameterized Paths via Spatial-Temporal Decoupling. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1026-1036.	5.8	175
123	Predictor‐based iterative neural dynamic surface control for three‐phase voltage source PWM rectifier. IEEJ Transactions on Electrical and Electronic Engineering, 2017, 12, 942-951.	1.4	2
124	Saturated coordinated control of multiple underactuated unmanned surface vehicles over a closed curve. Science China Information Sciences, 2017, 60, 1.	4.3	27
125	Predictive direct power control for three-phase grid-connected converters with online parameter identification. International Transactions on Electrical Energy Systems, 2017, 27, e2240.	1.9	13
126	Coordinated path-following of underactuated unmanned surface vehicles with limited torques over a closed curve. , 2017, , .		0

#	Article	IF	Citations
127	Guidance law design for synchronized path following of underactuated unmanned surface vehicles based on distributed observer. , 2017, , .		1
128	Robust attitude tracking control of a rigid spacecraft based on nonlinearly controlled quaternions. , 2017, , .		5
129	Distributed guidance law for coordinated maneuvering of networked autonomous surface vehicles. , 2017, , .		0
130	Extended state observer design for autonomous surface vehicles using position-yaw measurements. , 2017, , .		1
131	Formation control in dynamic positioning of multiple offshore vessels via cooperative robust output regulation. , 2017, , .		3
132	Adaptive line-of-sight guidance law for synchronized path-following of under-actuated unmanned surface vehicles based on low-frequency learning. , 2017, , .		2
133	Predictor-Based Neural Dynamic Surface Control for Uncertain Nonlinear Systems in Strict-Feedback Form. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2156-2167.	11.3	176
134	Design and Study of Real-time Online Assessing System for Marine Power Station Reliability. , 2017, , .		0
135	State Estimation for Autonomous Surface Vehicles Based on Echo State Networks. Lecture Notes in Computer Science, 2017, , 127-134.	1.3	0
136	Consensus Maneuvering of Uncertain Nonlinear Strict-Feedback Systems. Lecture Notes in Computer Science, 2017, , 139-146.	1.3	0
137	Saturated Kinetic Control of Autonomous Surface Vehicles Based on Neural Networks. Lecture Notes in Computer Science, 2017, , 93-100.	1.3	0
138	Improved Direct Finite-control-set Model Predictive Control Strategy with Delay Compensation and Simplified Computational Approach for Active Front-end Rectifiers. Lecture Notes in Computer Science, 2016, , 223-232.	1.3	1
139	Efficient feature extraction framework for EEG signals classification. , 2016, , .		11
140	Coordinated path following of multiple underacutated marine surface vehicles along one curve. ISA Transactions, 2016, 64, 258-268.	5.7	54
141	Predictor-based LOS guidance law for path following of underactuated marine surface vehicles with sideslip compensation. Ocean Engineering, 2016, 124, 340-348.	4.3	125
142	Active disturbance rejection control for an unbalanced stand-alone doubly fed induction generator. , 2016, , .		2
143	Distributed coordinated control of multiple underactuated marine surface vehicles along one curve. , 2016, , .		0
144	Coordinated control of multiple underacutated marine surface vehicles along one parameterized path. , 2016, , .		0

#	Article	IF	Citations
145	The multi-level simplified simulation of MMC based on half-bridge sub-models. , 2016, , .		5
146	Active disturbance rejection control for stand-alone doubly fed induction generator. , 2016, , .		0
147	A simplified direct finite-control-set model predictive control for AFEs with DC-Link voltage dynamic reference design. , 2016, , .		2
148	ESO-based line-of-sight guidance law for straight line path following with exact sideslip compensation. , 2016, , .		6
149	Predictor-based neural dynamic surface control for distributed formation tracking of multiple marine surface vehicles with improved transient performance. Science China Information Sciences, 2016, 59, 1.	4.3	18
150	Cooperative Adaptive Fuzzy Output Feedback Control for Synchronization of Nonlinear Multiâ€Agent Systems in the Presence of Input Saturation. Asian Journal of Control, 2016, 18, 619-630.	3.0	32
151	Coordinated target-enclosing of underactuated marine surface vehicles. , 2016, , .		1
152	Containment maneuvering of marine surface vessels. , 2016, , .		2
153	Prescribed Performance Consensus of Uncertain Nonlinear Strict-Feedback Systems With Unknown Control Directions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1279-1286.	9.3	200
154	Cooperative Dynamic Positioning of Multiple Marine Offshore Vessels: A Modular Design. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1210-1221.	5.8	112
155	Adaptive NN dynamic surface control for a class of uncertain non-affine pure-feedback systems with unknown time-delay. International Journal of Automation and Computing, 2016, 13, 268-276.	4.5	4
156	Neural adaptive steering of an unmanned surface vehicle with measurement noises. Neurocomputing, 2016, 186, 228-234.	5.9	36
157	Path following of marine surface vehicles with dynamical uncertainty and time-varying ocean disturbances. Neurocomputing, 2016, 173, 799-808.	5.9	86
158	Adaptive neural control for cooperative path following of marine surface vehicles: state and output feedback. International Journal of Systems Science, 2016, 47, 343-359.	5.5	20
159	Optimization design on reliability of three-state electrical redundant system. , 2016, , .		0
160	Predictor-based line-of-sight guidance law for path following of underactuated marine surface vessels. , 2015, , .		4
161	Containment control of networked autonomous underwater vehicles using output information. , 2015, , .		0
162	A predictor-based neural modified DSC approach to distributed formation tracking of networked marine surface vehicles. , 2015, , .		0

#	Article	IF	Citations
163	Autopilot design for a robotic unmanned surface vehicle. , 2015, , .		4
164	Containment control of networked autonomous underwater vehicles with model uncertainty and ocean disturbances guided by multiple leaders. Information Sciences, 2015, 316, 163-179.	6.9	180
165	Direct and composite iterative neural control for cooperative dynamic positioning of marine surface vessels. Nonlinear Dynamics, 2015, 81, 1315-1328.	5.2	27
166	Output-Feedback Adaptive Neural Control for Stochastic Nonlinear Time-Varying Delay Systems With Unknown Control Directions. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1188-1201.	11.3	213
167	Containment control of networked autonomous underwater vehicles: A predictor-based neural DSC design. ISA Transactions, 2015, 59, 160-171.	5.7	64
168	Behavior-based mamdani fuzzy controller for mobile robot wall-following. , 2015, , .		8
169	Path following of underactuated MSVs with model uncertainty and ocean disturbances along straight lines. , 2015, , .		2
170	Output feedback adaptive control for autopilot design of an unmanned surface vehicle. , 2015, , .		0
171	Cooperative fuzzy adaptive output feedback control for synchronisation of nonlinear multi-agent systems under directed graphs. International Journal of Systems Science, 2015, 46, 2982-2995.	5.5	30
172	Distributed containment control for uncertain nonlinear multi-agent systems in non-affine pure-feedback form under switching topologies. Neurocomputing, 2015, 152, 1-10.	5.9	70
173	Cooperative output feedback adaptive control of uncertain nonlinear multi-agent systems with a dynamic leader. Neurocomputing, 2015, 149, 132-141.	5.9	47
174	Neural Dynamic Surface Control for Three-Phase PWM Voltage Source Rectifier. Lecture Notes in Computer Science, 2015, , 28-35.	1.3	1
175	The comprehensive evaluation method of high wind power penetration transmission grid based on maximum entropy criterion. , 2015, , 43-48.		0
176	Characteristic spectrum analysis on joint detection of PD in switchgear. , 2015, , 73-78.		0
177	Coordinated formation pattern control of multiple marine surface vehicles with model uncertainty and time-varying ocean currents. Neural Computing and Applications, 2014, 25, 1771-1783.	5.6	25
178	Coordinated tracking of linear multi-agent systems with a dynamic leader: An iterative learning approach. , 2014, , .		0
179	A DSC approach to synchronized path following of multiple underactuated AUVs with uncertain dynamics and input constrains. , 2014, , .		1
180	Adaptive dynamic surface control for three-phase PWM voltage source rectifier. , 2014, , .		0

#	Article	IF	Citations
181	Sensorless control of a stand-alone Doubly fed induction machine for ship shaft generator systems. , 2014, , .		1
182	A predictor-based neural DSC design approach to distributed coordinated control of multiple autonomous underwater vehicles. , 2014, , .		2
183	Cooperative Iterative Learning Control of Linear Multi-agent Systems with a Dynamic Leader under Directed Topologies. Zidonghua Xuebao/Acta Automatica Sinica, 2014, 40, 2595-2601.	1.5	9
184	Cooperative dynamic positioning of multiple offshore vessels with persistent ocean disturbances via iterative learning. , 2014, , .		2
185	Robust adaptive dynamic surface control for synchronized path following of multiple underactuated autonomous underwater vehicles. , 2014, , .		1
186	Containment control of networked autonomous underwater vehicles guided by multiple leaders using predictor-based neural DSC approach. , 2014, , .		4
187	Adaptive fuzzy control for synchronization of second-order nonlinear systems with prescribed performance. , 2014, , .		2
188	Cooperative dynamic positioning of multiple offshore vessels via local information interactions. , 2014, , .		1
189	Design and Research on Ballast Anti-Heeling System for the Crane/Pipe-Laying Vessel Based on DP3 Requirements. Applied Mechanics and Materials, 2014, 574, 281-286.	0.2	1
190	Neural adaptive control for leaderâ€"follower flocking of networked nonholonomic agents with unknown nonlinear dynamics. International Journal of Adaptive Control and Signal Processing, 2014, 28, 479-495.	4.1	16
191	Adaptive dynamic surface control for cooperative path following of marine surface vehicles with input saturation. Nonlinear Dynamics, 2014, 77, 107-117.	5.2	81
192	Distributed coordinated tracking of multiple autonomous underwater vehicles. Nonlinear Dynamics, 2014, 78, 1261-1276.	5.2	40
193	Coordinated pattern tracking of multiple marine surface vehicles with uncertain kinematics and kinetics. , 2014, , .		0
194	Adaptive output feedback control for cooperative dynamic positioning of multiple offshore vessels. , 2014, , .		1
195	Cooperative tracking and estimation of linear multi-agent systems with a dynamic leader via iterative learning. International Journal of Control, 2014, 87, 1163-1171.	1.9	15
196	Robust adaptive consensus of high-order nonlinear systems using fuzzy logical systems and continuous second-order sliding mode. , 2014, , .		0
197	Development of novel heating tool friction stir spot welding (HT-FSSW) for AZ31 magnesium alloy. Science and Technology of Welding and Joining, 2014, 19, 369-375.	3.1	10
198	Neural network based adaptive dynamic surface control for cooperative path following of marine surface vehicles via state and output feedback. Neurocomputing, 2014, 133, 170-178.	5.9	78

#	Article	IF	Citations
199	Algorithms and Experiments on Flocking of Multiagents in a Bounded Space. IEEE Transactions on Control Systems Technology, 2014, 22, 1544-1549.	5.2	36
200	Distributed Neural Network Control for Adaptive Synchronization of Uncertain Dynamical Multiagent Systems. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1508-1519.	11.3	243
201	Distributed cooperative tracking of uncertain nonlinear multi-agent systems with fast learning. Neurocomputing, 2014, 129, 494-503.	5.9	11
202	Robust adaptive neural network control of a class of uncertain strict-feedback nonlinear systems with unknown dead-zone and disturbances. Neurocomputing, 2014, 145, 221-229.	5.9	23
203	Distributed cooperative stabilisation of continuous-time uncertain nonlinear multi-agent systems. International Journal of Systems Science, 2014, 45, 2031-2041.	5.5	16
204	Adaptive Decentralized <scp>NN</scp> Control of Nonlinear Interconnected Time‐Delay Systems with Input Saturation. Asian Journal of Control, 2013, 15, 533-542.	3.0	15
205	Leaderless and leader-follower cooperative control of multiple marine surface vehicles with unknown dynamics. Nonlinear Dynamics, 2013, 74, 95-106.	5.2	82
206	Single neural network approximation based adaptive control for a class of uncertain strict-feedback nonlinear systems. Nonlinear Dynamics, 2013, 72, 175-184.	5.2	48
207	Distributed model reference adaptive control for cooperative tracking of uncertain dynamical multi‐agent systems. IET Control Theory and Applications, 2013, 7, 1079-1087.	2.1	75
208	Cooperative tracking of uncertain dynamical multi-agent systems: A distributed MRAC approach. , 2013, , .		0
209	Distributed neural control for cooperative tracking of uncertain nonlinear multi-agent systems under a directed network. , 2013, , .		0
210	A DSC approach to adaptive neural network tracking control for pure-feedback nonlinear systems. Applied Mathematics and Computation, 2013, 219, 6224-6235.	2.2	50
211	Robust adaptive neural control of uncertain pure-feedback nonlinear systems. International Journal of Control, 2013, 86, 912-922.	1.9	24
212	Adaptive Dynamic Surface Control for Formations of Autonomous Surface Vehicles With Uncertain Dynamics. IEEE Transactions on Control Systems Technology, 2013, 21, 513-520.	5.2	425
213	Distributed robust state and output feedback controller designs for rendezvous of networked autonomous surface vehicles using neural networks. Neurocomputing, 2013, 115, 130-141.	5.9	27
214	Adaptive dynamic surface control for cooperative path following of underactuated marine surface vehicles via fast learning. IET Control Theory and Applications, 2013, 7, 1888-1898.	2.1	55
215	Formation Tracking Control of Multiple Marine Surface Vehicles Over a Directed Network: a Cooperative Dynamic Surface Control Design. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 707-712.	0.4	2
216	Distributed Output Feedback Tracking Control of Uncertain Nonlinear Multi-Agent Systems with Unknown Input of Leader. Lecture Notes in Computer Science, 2013, , 11-18.	1.3	1

#	Article	IF	Citations
217	Distributed robust stabilization for a class of uncertain nonlinear multi-agent systems. , 2012, , .		1
218	Robust adaptive neural network control for strict-feedback nonlinear systems with uncertainties. , 2012, , .		1
219	Adaptive control based on single neural network approximation for non-linear pure-feedback systems. IET Control Theory and Applications, 2012, 6, 2387-2396.	2.1	39
220	Robust adaptive neural control of uncertain pure-feedback nonlinear systems. , 2012, , .		2
221	Study on status monitoring and fault diagnosis for diesel engine based on oil analysis. , 2012, , .		1
222	Rendezvous of networked autonomous surface vehicles with distributed neural protocols. , 2012, , .		0
223	Robust leader-follower formation tracking control of multiple underactuated surface vessels. China Ocean Engineering, 2012, 26, 521-534.	1.6	19
224	Adaptive neural control of nonlinear MIMO systems with unknown time delays. Neurocomputing, 2012, 78, 83-88.	5.9	49
225	Neural Network Adaptive Control for Cooperative Path-Following of Marine Surface Vessels. Lecture Notes in Computer Science, 2012, , 507-514.	1.3	3
226	Adaptive Neural Output Feedback Controller Design With Reduced-Order Observer for a Class of Uncertain Nonlinear SISO Systems. IEEE Transactions on Neural Networks, 2011, 22, 1328-1334.	4.2	248
227	Composite Nonlinear Feedback Control for Output Regulation Problem of Linear Systems with Input Saturation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1398-1403.	0.4	7
228	Robust adaptive formation control of underactuated autonomous surface vehicles with uncertain dynamics. IET Control Theory and Applications, 2011, 5, 1378-1387.	2.1	146
229	Adaptive fuzzy control of uncertain MIMO non-linear systems in block-triangular forms. Nonlinear Dynamics, 2011, 63, 105-123.	5.2	43
230	Neural network–based adaptive dynamic surface control of uncertain nonlinear pure–feedback systems. International Journal of Robust and Nonlinear Control, 2011, 21, 527-541.	3.7	183
231	Adaptive NN control of uncertain nonaffine pure-feedback systems with unknown time-delay. , 2011, , .		0
232	Decentralized cooperative control of autonomous surface vehicles with uncertain dynamics: A dynamic surface approach. , 2011, , .		4
233	Adaptive Dynamic Surface Control for Leader-Follower Formation of Marine Surface Vehicles with Uncertain Dynamics. , 2011, , .		0
234	Structural design of composite nonlinear feedback control for linear systems with actuator constraint. Asian Journal of Control, 2010, 12, 616-625.	3.0	17

#	Article	IF	Citations
235	Neural-network-based simple adaptive control of uncertain multi-input multi-output non-linear systems. IET Control Theory and Applications, 2010, 4, 1543-1557.	2.1	40
236	The Performance Analysis on Cooling Capacity of the Air Cooler for a Turbocharged 4-Stroke Marine Diesel Engine. Applied Mechanics and Materials, 2010, 29-32, 2108-2113.	0.2	0
237	A DSC Approach to Robust Adaptive NN Tracking Control for Strict-Feedback Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 915-927.	5.0	469
238	The Performance Analysis on Fuel Injection System Failure for a Four-Stroke Marine Diesel Engine. , 2010, , .		0
239	Filtering robust adaptive formation guidance law with uncertain leader dynamics. , 2010, , .		2
240	On-line approximation based robust adaptive control for a class of uncertain systems. , 2010, , .		0
241	An Online Self-organizing Neuro-Fuzzy System from training data. , 2010, , .		2
242	Adaptive fuzzy control for a class of non-affine systems. , 2010, , .		2
243	A novel adaptive NN control for a class of strict-feedback nonlinear systems. , 2009, , .		2
244	A improved Newton power flow in rectangular form for systems with small impedance branches. , 2009, , .		2
245	Adaptive neural control for a class of uncertain nonlinear systems with unknown time delay. International Journal of Robust and Nonlinear Control, 2009, 19, 807-821.	3.7	5
246	Neural network-based robust adaptive control of nonlinear systems with unmodeled dynamics. Mathematics and Computers in Simulation, 2009, 79, 1745-1753.	4.4	26
247	Adaptive dynamic surface control for a class of uncertain nonlinear systems in pure-feedback form. , 2009, , .		12
248	A network topology method by solving logic equations. , 2009, , .		3
249	Study on methods for solving the divergence of power flow with small impedance branches. , 2009, , .		1
250	The Effect of Transformer Representation on the Convergence of the Backward Forward Sweep Method for Distribution Power Network. , 2009, , .		1
251	A Fast Method of Local Network Topology. , 2008, , .		1
252	Convergence analysis on the power flow methods for distribution networks with small impedance branches. , 2008, , .		5

#	Article	IF	Citations
253	The effect of small impedance branches on the convergence of the Newton Raphson power flow. , 2008, , .		6
254	A neural network based adaptive control design approach for a class of uncertain nonlinear systems with unknown time delay. , 2008, , .		0
255	An FDI approach for aircraft actuator lock-in-place fault. , 2007, , .		2
256	Adaptive unknown input observer approach for aircraft actuator fault detection and isolation. International Journal of Adaptive Control and Signal Processing, 2007, 21, 31-48.	4.1	115
257	An FDI Approach for Aircraft Actuator Partial Failure. , 2006, , .		1
258	Diagnosis of Actuator Lock-in-place for Flight Control Systems. , 2006, , .		1
259	Neural Network Based Robust Adaptive Control for a Class of Nonlinear Systems. Lecture Notes in Computer Science, 2006, , 898-903.	1.3	3
260	Neural Network-Based Adaptive Dynamic Surface Control for a Class of Uncertain Nonlinear Systems in Strict-Feedback Form. IEEE Transactions on Neural Networks, 2005, 16, 195-202.	4.2	1,092
261	A Neural Network Based Method for Solving Discrete-Time Nonlinear Output Regulation Problem in Sampled-Data Systems. Lecture Notes in Computer Science, 2004, , 59-64.	1.3	3
262	Adaptive neural network control for a class of uncertain nonlinear systems in pure-feedback form. Automatica, 2002, 38, 1365-1372.	5.0	389
263	A neural network-based approximation method for discrete-time nonlinear servomechanism problem. IEEE Transactions on Neural Networks, 2001, 12, 591-597.	4.2	32
264	Guaranteed performance for an approximation method for discrete-time nonlinear servomechanism problem. , 2000, , .		0
265	Development of a self-organizing fuzzy controller for ship's course control. , 0, , .		0
266	Neural network based adaptive dynamic surface control for nonlinear systems in strict-feedback form. , 0, , .		10
267	Parameter estimation of ARX/NARX model: a neural network based method. , 0, , .		10
268	The Reliability Modeling of Marine Power Station. Applied Mechanics and Materials, 0, 427-429, 404-407.	0.2	1
269	Study of a Fuzzy Decision Making Based Energy-Saving Controller for Marine Power System. Applied Mechanics and Materials, 0, 303-306, 1267-1271.	0.2	1
270	Selecting Weights for Different Type Measurements in WLS State Estimation. , 0, , .		1

#	Article	IF	Citations
271	Determination of Network Topology by Matrix Partial Multiplication. , 0, , .		1
272	Research on Neutral Point Grounding Technology for Marine High Voltage Power System. , 0, , .		0
273	Shared control of ship autopilots and human pilots for maritime autonomous surface ship in the presence of actuator anomalies. Systems Science and Control Engineering, 0, , 1-12.	3.1	0