Weidong Zhang

List of Publications by Year
in descending order

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305	6,721	57758 44	88630 70
papers	citations	h-index	g-index

306	306	306	4235
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A developed observer-based type-2 fuzzy control for chaotic systems. International Journal of Systems Science, 2023, 54, 2921-2940.	5.5	10
2	A new robust output feedback control for a class of uncertain nonlinear systems. International Journal of Control, 2023, 96, 963-974.	1.9	1
3	Co-Design of Adaptive Event-Triggered Mechanism and Asynchronous H_{â^ž} Control for 2-D Markov Jump Systems via Genetic Algorithm. IEEE Transactions on Cybernetics, 2023, 53, 5729-5740.	9.5	13
4	Robust Performance-Prescribed Attitude Control of Foldable Wave-Energy Powered AUV Using Optimized Backstepping Technique. IEEE Transactions on Intelligent Vehicles, 2023, 8, 1230-1240.	12.7	15
5	Robust Asynchronous Output-Feedback Controller Design for Markovian Jump Systems With Output Quantization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1214-1223.	9.3	11
6	Finite-Time Formation Control of Second-Order Linear Multi-Agent Systems With Relative State Constraints: A Barrier Function Sliding Mode Control Approach. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1253-1256.	3.0	7
7	Robust adaptive formation control of underactuated surface vehicles with the desired-heading amendment. Journal of Marine Science and Technology, 2022, 27, 138-150.	2.9	5
8	Model-based event-triggered adaptive formation control for underactuated surface vehicles via the minimal learning parameter technique. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2022, 236, 592-606.	1.0	1
9	A New Method to Design Distributed Consensus Controller for Linear Multi-Agent Systems With Directed Graphs. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1492-1496.	3.0	2
10	Path planning and dynamic collision avoidance algorithm under COLREGs via deep reinforcement learning. Neurocomputing, 2022, 468, 181-197.	5.9	32
11	Multitask Cooperative Formation Control of Autonomous Surface Vehicles With Interception of Moving Objects. IEEE Journal of Oceanic Engineering, 2022, 47, 271-281.	3.8	2
12	Saturated Backstepping-Based Tracking Control of a Quadrotor With Uncertain Vehicle Parameters and External Disturbances. , 2022, 6, 1634-1639.		6
13	Robust adaptive control for uncertain nonlinear systems with odd rational powers, unmodeled dynamics, and non-triangular structure. ISA Transactions, 2022, 128, 81-89.	5.7	4
14	State recovery and disturbance estimation-based fast trajectory tracking of autonomous surface vehicles: A finite-time approach. Ocean Engineering, 2022, 244, 110240.	4.3	6
15	Fault diagnosis of diesel engine information fusion based on adaptive dynamic weighted hybrid distance-taguchi method (ADWHD-T). Applied Intelligence, 2022, 52, 10307-10329.	5.3	3
16	Safe deep reinforcement learning-based adaptive control for USV interception mission. Ocean Engineering, 2022, 246, 110477.	4.3	48
17	COLREGs-abiding hybrid collision avoidance algorithm based on deep reinforcement learning for USVs. Ocean Engineering, 2022, 247, 110749.	4.3	21
18	Distributed event-triggered target tracking under cyber attacks. Journal of the Franklin Institute, 2022, 359, 2377-2402.	3.4	3

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19	Robust adaptive fault-tolerant control for unmanned surface vehicle via the multiplied event-triggered mechanism. Ocean Engineering, 2022, 249, 110755.	4.3	8
20	Load optimization control of SJTU-WEC based on machine learning. Ocean Engineering, 2022, 249, 110851.	4.3	4
21	Adaptive Neural Fault-Tolerant Control for USV With the Output-Based Triggering Approach. IEEE Transactions on Vehicular Technology, 2022, 71, 6948-6957.	6.3	10
22	Event-triggered adaptive neural tracking control for MSVs under input saturation: An appoint-time approach. Ocean Engineering, 2022, 253, 111097.	4.3	4
23	AUV path tracking with real-time obstacle avoidance via reinforcement learning under adaptive constraints. Ocean Engineering, 2022, 256, 111453.	4.3	18
24	Dynamic Event-Triggered Path-Following Control of Underactuated Surface Vehicle With the Experiment Verification. IEEE Transactions on Vehicular Technology, 2022, 71, 10415-10425.	6.3	13
25	Event-Triggered Cooperative Formation Control for Autonomous Surface Vehicles Under the Maritime Search Operation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21392-21404.	8.0	24
26	Distributed dynamic rendezvous control of the AUV-USV joint system with practical disturbance compensations using model predictive control. Ocean Engineering, 2022, 258, 111268.	4.3	5
27	Adaptive output feedback super twisting algorithm for trajectory tracking control of USVs with saturated constraints. Ocean Engineering, 2022, 259, 111507.	4.3	14
28	Bearing-Based Adaptive Neural Formation Scaling Control for Autonomous Surface Vehicles With Uncertainties and Input Saturation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4653-4664.	11.3	34
29	COLREGs-Constrained Adaptive Fuzzy Event-Triggered Control for Underactuated Surface Vessels With the Actuator Failures. IEEE Transactions on Fuzzy Systems, 2021, 29, 3822-3832.	9.8	29
30	Composite Neural Learning Fault-Tolerant Control for Underactuated Vehicles With Event-Triggered Input. IEEE Transactions on Cybernetics, 2021, 51, 2327-2338.	9.5	66
31	Output event triggered consensus control of nonlinear multi-agent systems with relative state constraints. ISA Transactions, 2021, 108, 164-177.	5.7	7
32	Quadcopter nonsingular finite-time adaptive robust saturated command-filtered control system under the presence of uncertainties and input saturation. Nonlinear Dynamics, 2021, 104, 1363-1387.	5.2	14
33	A multiscale data reconciliation approach for sensor fault detection. Progress in Nuclear Energy, 2021, 135, 103707.	2.9	10
34	Adaptive neural fault-tolerant control for course tracking of unmanned surface vehicle with event-triggered input. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 1594-1604.	1.0	12
35	Development of an experimental system for the twin-lift decommissioning operation. Ocean Engineering, 2021, 234, 108902.	4.3	4
36	Practical constrained output feedback formation control of underactuated vehicles via the autonomous dynamic logic guidance. Journal of the Franklin Institute, 2021, 358, 6566-6591.	3.4	9

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37	Robust adaptive formation tracking of autonomous surface vehicles with guaranteed performance and actuator faults. Ocean Engineering, 2021, 237, 109592.	4.3	21
38	Observer-based Multirate Feedback Control Design for Two-time-scale System. International Journal of Automation and Computing, 2021, 18, 1007-1016.	4.5	2
39	Event-triggered distributed adaptive cooperative control for multiple dynamic positioning ships with actuator faults. Ocean Engineering, 2021, 242, 110124.	4.3	5
40	Event-triggered robust adaptive control for path following of the URS in presence of the marine practice. Ocean Engineering, 2021, 242, 110139.	4.3	9
41	Performance Improvement of Consensus Tracking for Linear Multiagent Systems With Input Saturation: A Gain Scheduled Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 734-746.	9.3	15
42	Observer-Based Output Feedback Integral Control for Coal-Fired Power Plant: A Three-Time-Scale Perspective. IEEE Transactions on Control Systems Technology, 2020, 28, 601-608.	5.2	7
43	Controller Designed via an Adaptive Reaching Law for DSMC Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 330-334.	3.0	15
44	Adaptive output-feedback formation control for underactuated surface vessels. International Journal of Control, 2020, 93, 400-409.	1.9	37
45	Gain scheduling consensus of multi-agent systems subject to actuator saturation. International Journal of Control, 2020, 93, 771-782.	1.9	4
46	Finite-time Adaptive Integral Backstepping Fast Terminal Sliding Mode Control Application on Quadrotor UAV. International Journal of Control, Automation and Systems, 2020, 18, 415-430.	2.7	68
47	Orbital stabilization of nonlinear systems via Mexican sombrero energy shaping and pumping-and-damping injection. Automatica, 2020, 112, 108661.	5.0	33
48	Different types of sliding mode controller for nonlinear fractional multi-Agent system. Chaos, Solitons and Fractals, 2020, 131, 109481.	5.1	12
49	An Interval Type-3 Fuzzy System and a New Online Fractional-Order Learning Algorithm: Theory and Practice. IEEE Transactions on Fuzzy Systems, 2020, 28, 1940-1950.	9.8	110
50	A robust control of a class of induction motors using rough type-2 fuzzy neural networks. Soft Computing, 2020, 24, 9809-9819.	3.6	9
51	Simultaneous Fault Estimation for Markovian Jump Systems With Generally Uncertain Transition Rates: A Reduced-Order Observer Approach. IEEE Transactions on Industrial Electronics, 2020, 67, 7889-7897.	7.9	16
52	Trajectory Tracking Control of AUVs via Adaptive Fast Nonsingular Integral Terminal Sliding Mode Control. IEEE Transactions on Industrial Informatics, 2020, 16, 1248-1258.	11.3	234
53	The expressivity and training of deep neural networks: Toward the edge of chaos?. Neurocomputing, 2020, 386, 8-17.	5.9	4
54	On generation of virtual outputs via signal injection: Application to observer design for electromechanical systems. European Journal of Control, 2020, 54, 129-139.	2.6	5

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55	Disturbance observer-based composite neural learning path following control of underactuated ships subject to input saturation. Ocean Engineering, 2020, 216, 108033.	4.3	16
56	Co-adaptation enhances the resilience of mutualistic networks. Journal of the Royal Society Interface, 2020, 17, 20200236.	3.4	6
57	Finite-time extended state observer based nonsingular fast terminal sliding mode control of autonomous underwater vehicles. Ocean Engineering, 2020, 218, 108179.	4.3	100
58	Intelligent collision avoidance algorithms for USVs via deep reinforcement learning under COLREGs. Ocean Engineering, 2020, 217, 107704.	4.3	57
59	Event-triggered robust neural control for unmanned sail-assisted vehicles subject to actuator failures. Ocean Engineering, 2020, 216, 107754.	4.3	9
60	Improved composite neural learning control for marine unmanned vehicles with the actuator gain constraints. , 2020, , .		0
61	A new signal injectionâ€based method for estimation of position in interior permanent magnet synchronous motors. IET Power Electronics, 2020, 13, 1865-1874.	2.1	7
62	Event-triggered extended state observers design for dynamic positioning vessels subject to unknown sea loads. Ocean Engineering, 2020, 209, 107242.	4.3	81
63	Robust neural event-triggered control for dynamic positioning ships with actuator faults. Ocean Engineering, 2020, 207, 107292.	4.3	56
64	Adaptive tracking control of unmanned underwater vehicles with compensation for external perturbations and uncertainties using Port-Hamiltonian theory. Ocean Engineering, 2020, 209, 107402.	4.3	23
65	Dynamic Collision Avoidance Algorithm for Unmanned Surface Vehicles via Layered Artificial Potential Field with Collision Cone. Journal of Navigation, 2020, 73, 1306-1325.	1.7	31
66	Practical finite time adaptive robust flight control system for quad-copter UAVs. Aerospace Science and Technology, 2020, 98, 105708.	4.8	33
67	Consensus control of multi-agent systems with input and communication delay: A frequency domain perspective. ISA Transactions, 2020, 101, 69-77.	5.7	33
68	Tracking control problem in general linear and Lipschitz nonlinear multi-agent systems with jointly connected topology. Journal of the Franklin Institute, 2020, 357, 6121-6136.	3.4	8
69	Fractional sliding mode based on RBF neural network observer: Application to HIV infection mathematical model. Computers and Mathematics With Applications, 2020, 79, 3179-3188.	2.7	28
70	On State Observers for Nonlinear Systems: A New Design and a Unifying Framework. IEEE Transactions on Automatic Control, 2019, 64, 1193-1200.	5.7	22
71	Adaptive Second-Order Fast Nonsingular Terminal Sliding Mode Tracking Control for Fully Actuated Autonomous Underwater Vehicles. IEEE Journal of Oceanic Engineering, 2019, 44, 363-385.	3.8	175
72	Robust global consensus tracking of linear multiâ€agent systems with input saturation via scheduled lowâ€andâ€high gain feedback. IET Control Theory and Applications, 2019, 13, 69-77.	2.1	10

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73	An extensible approach for real-time bidding with model-free reinforcement learning. Neurocomputing, 2019, 360, 97-106.	5.9	5
74	Adaptive output-feedback control with prescribed performance for trajectory tracking of underactuated surface vessels. ISA Transactions, 2019, 95, 18-26.	5.7	84
75	A greedy navigation and subtle obstacle avoidance algorithm for USV using reinforcement learning. , 2019, , .		6
76	Adaptive Formation Scaling Maneuver Control of Autonomous Surface Vehicles with Uncertain Dynamics and Bearing Constraints. , 2019, , .		2
77	A Frequency Domain Interpretation of Signal Injection Methods for Salient PMSMs. , 2019, , .		2
78	Finite-time dissipative filtering for uncertain discrete-time systems with state and disturbance-dependent noise over fading channels. ISA Transactions, 2019, 86, 134-143.	5.7	12
79	Fuzzy Categorical Deep Reinforcement Learning of a Defensive Game for an Unmanned Surface Vessel. International Journal of Fuzzy Systems, 2019, 21, 592-606.	4.0	17
80	Optimized robust control for industrial unstable process via the mirror-mapping method. ISA Transactions, 2019, 86, 9-17.	5.7	20
81	H ₂ input load disturbance rejection controller design for synchronised output regulation of time-delayed multi-agent systems with frequency domain method. International Journal of Control, 2019, 92, 356-367.	1.9	7
82	Double-Loop Integral Terminal Sliding Mode Tracking Control for UUVs With Adaptive Dynamic Compensation of Uncertainties and Disturbances. IEEE Journal of Oceanic Engineering, 2019, 44, 29-53.	3.8	195
83	Security-based resilient event-triggered control of networked control systems under denial of service attacks. Journal of the Franklin Institute, 2019, 356, 10277-10295.	3.4	61
84	RBF Neural Network Sliding Mode Consensus of Multiagent Systems with Unknown Dynamical Model of Leader-follower Agents. International Journal of Control, Automation and Systems, 2018, 16, 749-758.	2.7	21
85	Event-triggered state estimation for time-delayed complex networks with gain variations based on partial nodes. International Journal of General Systems, 2018, 47, 477-490.	2.5	29
86	Dual SIMC-PI Controller Design for Cascade Implement of Input Resetting Control with Application. Industrial & Engineering Chemistry Research, 2018, 57, 6947-6955.	3.7	4
87	Robust adaptive trajectory tracking control of underactuated surface vessel in fields of marine practice. Journal of Marine Science and Technology, 2018, 23, 950-957.	2.9	45
88	Output feedback semiglobal practical consensus of linear systems with relative stateâ€dependent uncertainties. International Journal of Robust and Nonlinear Control, 2018, 28, 3560-3573.	3.7	2
89	Consensus controllers for general integrator multiâ€agent systems: analysis, design and application to autonomous surface vessels. IET Control Theory and Applications, 2018, 12, 669-678.	2.1	15
90	Disturbance observer-based control for consensus tracking of multi-agent systems with input delays from a frequency domain perspective. Systems and Control Letters, 2018, 114, 66-75.	2.3	26

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91	Energy-Efficient Resource Allocation for Time-Varying OFDMA Relay Systems With Hybrid Energy Supplies. IEEE Systems Journal, 2018, 12, 702-713.	4.6	7
92	Performance recovery of a class of uncertain non-affine systems with unmodelled dynamics: an indirect dynamic inversion method. International Journal of Control, 2018, 91, 266-284.	1.9	10
93	Concise deep reinforcement learning obstacle avoidance for underactuated unmanned marine vessels. Neurocomputing, 2018, 272, 63-73.	5.9	170
94	Active disturbance rejection controller design for dynamically positioned vessels based on adaptive hybrid biogeography-based optimization and differential evolution. ISA Transactions, 2018, 78, 56-65.	5.7	52
95	Relaxing the conditions for parameter estimation-based observers of nonlinear systems via signal injection. Systems and Control Letters, 2018, 111, 18-26.	2.3	16
96	Research on the sliding mode control for underactuated surface vessels via parameter estimation. Nonlinear Dynamics, 2018, 91, 1163-1175.	5.2	43
97	Leader-follower formation control of underactuated surface vehicles based on sliding mode control and parameter estimation. ISA Transactions, 2018, 72, 15-24.	5.7	122
98	An Adaptive Observer for Sensorless Control of the Levitated Ball Using Signal Injection. , 2018, , .		3
99	Dynamics Analysis of a Discrete Variable Structure Controller for Uncertain Systems. , 2018, , .		1
100	Fast Trajectory Tracking Control of Underactuated Autonomous Underwater Vehicles. , 2018, , .		2
101	Modeling and Optimization of Paper-making Wastewater Treatment Based on Reinforcement Learning. , 2018, , .		8
102	Twoâ€degreeâ€ofâ€freedom optimal consensus scheme of fractionalâ€order multiâ€agent systems. IET Control Theory and Applications, 2018, 12, 2175-2183.	2.1	4
103	Observer-Based Spatial Control of Advanced Heavy Water Reactor Using Time-Scale Decoupling. IEEE Transactions on Nuclear Science, 2018, 65, 2756-2766.	2.0	6
104	IMC-PID Load Disturbance Rejection Controller with Set-point Filter for The Integrating and Unstable Processes with Time delay. , 2018, , .		2
105	Novel DVS guidance and path-following control for underactuated ships in presence of multiple static and moving obstacles. Ocean Engineering, 2018, 170, 100-110.	4.3	52
106	Chattering reduced sliding mode control for a class of chaotic systems. Nonlinear Dynamics, 2018, 93, 2273-2282.	5.2	16
107	On dynamic regressor extension and mixing parameter estimators: Two Luenberger observers interpretations. Automatica, 2018, 95, 548-551.	5.0	40
108	Optimal control of non-minimum phase integrating processes with time delay using disturbance observer-based control scheme. International Journal of Systems Science, 2018, 49, 1725-1737.	5.5	0

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109	An Optimization Problem for Quadcopter Reference Flight Trajectory Generation. Journal of Advanced Transportation, 2018, 2018, 1-15.	1.7	9
110	Disturbance observerâ€based consensus control of inputâ€delayed LTI systems with matched disturbances: a predictor feedback approach. IET Control Theory and Applications, 2018, 12, 1584-1591.	2.1	6
111	Robust H2 optimal depth control of an autonomous underwater vehicle with output disturbances and time delay. Ocean Engineering, 2018, 165, 399-409.	4.3	22
112	Adaptive cooperative formation control of autonomous surface vessels with uncertain dynamics and external disturbances. Ocean Engineering, 2018, 167, 36-44.	4.3	93
113	Robust adaptive formation control of underactuated autonomous surface vessels based on MLP and DOB. Nonlinear Dynamics, 2018, 94, 503-519.	5.2	91
114	Naming game with biased assimilation over adaptive networks. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 260-268.	2.6	4
115	Identification of Boolean Networks Using Premined Network Topology Information. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 464-469.	11.3	16
116	MLP-based adaptive neural control of nonlinear time-delay systems with the unknown hysteresis. International Journal of Systems Science, 2017, 48, 1682-1691.	5.5	2
117	LMI Relaxations for Quadratic Stabilization of Guaranteed Cost Control of Tâ€“S Fuzzy Systems. International Journal of Fuzzy Systems, 2017, 19, 1392-1405.	4.0	3
118	Cooperative output regulation of linear heterogeneous systems with mismatched uncertainties via generalised extended state observer. IET Control Theory and Applications, 2017, 11, 685-693.	2.1	10
119	Non-fragile filtering for fuzzy systems with state and disturbance dependent noise. Neurocomputing, 2017, 260, 59-68.	5.9	4
120	Design of three exponentially convergent robust controllers for the trajectory tracking of autonomous underwater vehicles. Ocean Engineering, 2017, 134, 157-172.	4.3	54
121	Optimal disturbance rejection controllers design for synchronised output regulation of timeâ€delayed multiâ€agent systems. IET Control Theory and Applications, 2017, 11, 1053-1062.	2.1	7
122	Adaptive nonâ€singular integral terminal sliding mode tracking control for autonomous underwater vehicles. IET Control Theory and Applications, 2017, 11, 1293-1306.	2.1	224
123	Analysis of naming game over networks in the presence of memory loss. Physica A: Statistical Mechanics and Its Applications, 2017, 479, 350-361.	2.6	8
124	H2 consensus control of time-delayed multi-agent systems: A frequency-domain method. ISA Transactions, 2017, 66, 437-447.	5.7	8
125	Guaranteed cost consensus protocol design for linear multi-agent systems with sampled-data information: An input delay approach. ISA Transactions, 2017, 67, 87-97.	5.7	46
126	An adaptive sliding-mode observer with a tangent function-based PLL structure for position sensorless PMSM drives. International Journal of Electrical Power and Energy Systems, 2017, 88, 63-74.	5.5	68

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127	Robust Neural Control for Dynamic Positioning Ships With the Optimum-Seeking Guidance. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1500-1509.	9.3	38
128	Finite-time observer based accurate tracking control of a marine vehicle with complex unknowns. Ocean Engineering, 2017, 145, 406-415.	4.3	124
129	Alternative approach to calculate the structure matrix of Boolean network with semiâ€tensor product. IET Control Theory and Applications, 2017, 11, 2048-2057.	2.1	3
130	Robust neural path-following control for underactuated ships with the DVS obstacles avoidance guidance. Ocean Engineering, 2017, 143, 198-208.	4.3	73
131	An optimal reputation-based detection against SSDF attacks in industrial cognitive radio network. , 2017, , .		5
132	Practical proportional integral sliding mode control for underactuated surface ships in the fields of marine practice. Ocean Engineering, 2017, 142, 217-223.	4.3	47
133	Disturbance observer based finite-time trajectory tracking control of unmanned surface vehicles with unknown dead-zones. , 2017, , .		3
134	Optimal disturbance rejection controller design for integrating processes with dead time based on algebraic theory. International Journal of Systems Science, 2017, 48, 1266-1280.	5.5	2
135	Electrical lineâ€shafting control for motor speed synchronisation using sliding mode controller and disturbance observer. IET Control Theory and Applications, 2017, 11, 205-212.	2.1	36
136	Observer-Based Consensus Control Against Actuator Faults for Linear Parameter-Varying Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1336-1347.	9.3	56
137	Robust neural output-feedback stabilization for stochastic nonlinear process with time-varying delay and unknown dead zone. Science China Information Sciences, 2017, 60, 1.	4.3	12
138	Internal model control on hybrid headbox system. , 2017, , .		3
139	KF-based MPC For the cascaded headbox system in papermaking process. , 2017, , .		2
140	H<inf>2</inf> analytical decoupling control design for non-square systems with time delays. , 2017, , .		0
141	Block Inverted Decoupling Control with Internal Model Structure for Non-square Multivariable Time Delay Systems * *This paper is partly supported by the National Science Foundation of China (61473183,) Tj ETQq1 1 0.784314 rgBT		
142	Speed control for sensorless SPMSM via variable structure controller and EMF-based position estimation scheme. , 2017, , .		0
143	Analysis of collective behavior over complex network based on naming game with memory loss. , 2017, , .		1
144	On finiteâ€level dynamic quantisation of eventâ€triggered networked systems with actuator fault. IET Control Theory and Applications, 2017, 11, 2927-2937.	2.1	3

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145	Analysis of naming game based collective behavior with biased assimilation over adaptive networks. , 2017, , .		0
146	Filtering and fusion of consensus-based multi-agent systems with imperfect constraints. , 2016, , .		0
147	Eventâ€triggered faultâ€tolerant control for networked systems with dynamic quantiser. IET Control Theory and Applications, 2016, 10, 1088-1096.	2.1	33
148	An energy optimal thrust allocation method for the marine dynamic positioning system based on adaptive hybrid artificial bee colony algorithm. Ocean Engineering, 2016, 118, 216-226.	4.3	40
149	Exponentially stable guaranteed cost control for continuous and discrete-time Takagiâ€“Sugeno fuzzy systems. Neurocomputing, 2016, 205, 210-221.	5.9	9
150	Robust distributed model predictive control under actuator saturations and packet dropouts with timeâ€varying probabilities. IET Control Theory and Applications, 2016, 10, 534-544.	2.1	8
151	Robust adaptive PID control for positioning of remotely operated vehicle working in close proximity of an underwater structure. , 2016, , .		4
152	Neural-network-based reinforcement learning control for path following of underactuated ships. , 2016, , .		14
153	Swarm intelligence algorithm on combustion optimization of coal-fired boiler. , 2016, , .		0
154	Observer-based consensus control against actuator faults for linear parameter-varying multi-agent Systems. , 2016, , .		0
155	Two-time scale path following of underactuated marine surface vessels: Design and stability analysis using singular perturbation methods. Ocean Engineering, 2016, 124, 287-297.	4.3	35
156	Extended and unscented Kalman filters for parameter estimation of a hydrodynamic model of vessel. , 2016, , .		5
157	Input load disturbance rejection controllers design for synchronised output regulation of complex multi-agent systems. , 2016, , .		1
158	A comparative study of optimization algorithms for correction of radar system error. , 2016, , .		0
159	Output tracking of boiler-turbine system by fuzzy guaranteed cost control. , 2016, , .		4
160	Enhanced feature selection method based on ANN and GA for coal boiler plants using real time Plant data. , 2016, , .		0
161	Minimax model predictive operation control of grid-connected microgrids. , 2016, , .		0
162	Finite-time distributed observers for position and velocity estimation in vehicle formations. , 2016, , .		0

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163	A nonlinear updated gain observer for MIMO systems: Design, analysis and application to marine surface vessels. ISA Transactions, 2016, 64, 129-140.	5.7	7
164	Double-loop chattering-free adaptive integral sliding mode control for underwater vehicles. , 2016, , .		14
165	Observerâ€Based Consensus Tracking for Nonlinear Multiâ€Agent Systems With Intermittent Communications. Asian Journal of Control, 2016, 18, 1513-1523.	3.0	8
166	Robust adaptive tracking control of MIMO nonlinear systems in the presence of actuatorÂhysteresis. International Journal of Systems Science, 2016, 47, 2359-2369.	5.5	8
167	Distributed adaptive containment control of heterogeneous linear multiâ€agent systems: an output regulation approach. IET Control Theory and Applications, 2016, 10, 95-102.	2.1	71
168	Opinion formation and bi-polarization with biased assimilation and homophily. Physica A: Statistical Mechanics and Its Applications, 2016, 444, 700-712.	2.6	8
169	Observer-based consensus tracking of multi-agent systems with one-sided Lipschitz nonlinearity. Journal of the Franklin Institute, 2016, 353, 1594-1614.	3.4	63
170	An extended innerâ€“outer factorisation algorithm based on the structure of a transfer function matrix inverse. International Journal of Systems Science, 2016, 47, 1624-1635.	5.5	0
171	Adaptive consensus tracking for linear multi-agent systems with input saturation. Transactions of the Institute of Measurement and Control, 2016, 38, 1434-1441.	1.7	20
172	Sample pair based sparse representation classification for face recognition. Expert Systems With Applications, 2016, 45, 352-358.	7.6	17
173	Multivariable disturbance observer-based H₂analytical decoupling control design for multivariable systems. International Journal of Systems Science, 2016, 47, 179-193.	5.5	12
174	Stabilization of Discrete-Time Linear Systems With Quantization and Noise Input. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	1.6	2
175	On the pole of non-square transfer function matrix Mooreâ€“Penrose pseudo-inverses. International Journal of Systems Science, 2015, 46, 2560-2571.	5.5	5
176	A new design scheme of distributed controller for heterogeneous multi-agent systems. , 2015, , .		0
177	H<inf>2</inf> optimal speed regulator for vector controlled induction motor drives. , 2015, , .		1
178	Stabilization of Markov Jump Linear Systems with Input Quantization. Circuits, Systems, and Signal Processing, 2015, 34, 2109-2126.	2.0	3
179	A fault detection observer design for LPV systems in finite frequency domain. International Journal of Control, 2015, 88, 571-584.	1.9	33
180	Decentralized Fuzzy Control of Multiple Cooperating Robotic Manipulators With Impedance Interaction. IEEE Transactions on Fuzzy Systems, 2015, 23, 1044-1056.	9.8	85

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181	Dynamic quantised feedback stabilisation of discrete-time linear system with white noise input. International Journal of Systems Science, 2015, 46, 2221-2230.	5.5	2
182	Robust reliable feedback controller design against actuator faults for linear parameterâ€varying systems in finiteâ€frequency domain. IET Control Theory and Applications, 2015, 9, 1595-1607.	2.1	13
183	Consensus tracking for multi-agent systems with directed graph via distributed adaptive protocol. Neurocomputing, 2015, 166, 8-13.	5.9	44
184	Vision-Based Model Predictive Control for Steering of a Nonholonomic Mobile Robot. IEEE Transactions on Control Systems Technology, 2015, , 1-1.	5.2	78
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