Weidong Zhang

List of Publications by Year
in descending order

305 papers	6,721 citations	57758 44 h-index	88630 70 g-index
306 all docs	306 docs citations	306 times ranked	4235 citing authors

#	Article	IF	Citations
1	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
2	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
3	sEMG-Based Joint Force Control for an Upper-Limb Power-Assist Exoskeleton Robot. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1043-1050.	6.3	207
4	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
5	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
6	Concise deep reinforcement learning obstacle avoidance for underactuated unmanned marine vessels. Neurocomputing, 2018, 272, 63-73.	5.9	170
7	Analytical design of two-degree-of-freedom control scheme for open-loop unstable processes with time delay. Journal of Process Control, 2005, 15, 559-572.	3.3	154
8	Finite-time observer based accurate tracking control of a marine vehicle with complex unknowns. Ocean Engineering, 2017, 145, 406-415.	4.3	124
9	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
10	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
11	Finite-time extended state observer based nonsingular fast terminal sliding mode control of autonomous underwater vehicles. Ocean Engineering, 2020, 218, 108179.	4.3	100
12	LMI criteria for robust chaos synchronization of a class of chaotic systems. Nonlinear Analysis: Theory, Methods & Applications, 2007, 67, 3384-3393.	1.1	93
13	Adaptive cooperative formation control of autonomous surface vessels with uncertain dynamics and external disturbances. Ocean Engineering, 2018, 167, 36-44.	4.3	93
14	Robust adaptive formation control of underactuated autonomous surface vessels based on MLP and DOB. Nonlinear Dynamics, 2018, 94, 503-519.	5.2	91
15	Decentralized Fuzzy Control of Multiple Cooperating Robotic Manipulators With Impedance Interaction. IEEE Transactions on Fuzzy Systems, 2015, 23, 1044-1056.	9.8	85
16	Two Degree-of-Freedom Smith Predictor for Processes with Time Delay. Automatica, 1998, 34, 1279-1282.	5.0	84
17	Adaptive output-feedback control with prescribed performance for trajectory tracking of underactuated surface vessels. ISA Transactions, 2019, 95, 18-26.	5.7	84
18	Modified Smith Predictor for Controlling Integrator/Time Delay Processes. Industrial & Engineering Chemistry Research, 1996, 35, 2769-2772.	3.7	83

#	ARTICLE	IF	CITATIONS
19	Event-triggered extended state observers design for dynamic positioning vessels subject to unknown sea loads. Ocean Engineering, 2020, 209, 107242.	4.3	81
20	Analytical decoupling control strategy using a unity feedback control structure for MIMO processes with time delays. Journal of Process Control, 2007, 17, 173-186.	3.3	78
21	Vision-Based Model Predictive Control for Steering of a Nonholonomic Mobile Robot. IEEE Transactions on Control Systems Technology, 2015, , 1-1.	5.2	78
22	Robust neural path-following control for underactuated ships with the DVS obstacles avoidance guidance. Ocean Engineering, 2017, 143, 198-208.	4.3	73
23	Distributed adaptive containment control of heterogeneous linear multi€agent systems: an output regulation approach. IET Control Theory and Applications, 2016, 10, 95-102.	2.1	71
24	Opinion dynamics of modified Hegselmann€"Krause model in a group-based population with heterogeneous bounded confidence. Physica A: Statistical Mechanics and Its Applications, 2015, 419, 558-565.	2.6	68
25	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
26	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
27	Composite Neural Learning Fault-Tolerant Control for Underactuated Vehicles With Event-Triggered Input. IEEE Transactions on Cybernetics, 2021, 51, 2327-2338.	9.5	66
28	Adaptive predictive functional control of a class of nonlinear systems. ISA Transactions, 2006, 45, 175-183.	5.7	65
29	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
30	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
31	Low-Order Stabilization of LTI Systems With Time Delay. IEEE Transactions on Automatic Control, 2009, 54, 774-787.	5.7	60
32	Quantitative performance design for integrating processes with time delay. Automatica, 1999, 35, 719-723.	5.0	59
33	Quantitative Performance Design of a Modified Smith Predictor for Unstable Processes with Time Delay. Industrial & Engineering Chemistry Research, 2004, 43, 56-62.	3.7	59
34	Intelligent collision avoidance algorithms for USVs via deep reinforcement learning under COLREGs. Ocean Engineering, 2020, 217, 107704.	4.3	57
35	Observer€based adaptive consensus tracking for linear multi€agent systems with input saturation. IET Control Theory and Applications, 2015, 9, 2124-2131.	2.1	56
36	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

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37	Robust neural event-triggered control for dynamic positioning ships with actuator faults. Ocean Engineering, 2020, 207, 107292.	4.3	56
38	Design of three exponentially convergent robust controllers for the trajectory tracking of autonomous underwater vehicles. Ocean Engineering, 2017, 134, 157-172.	4.3	54
39	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
40	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
41	Improved sparse least-squares support vector machine classifiers. Neurocomputing, 2006, 69, 1655-1658.	5.9	48
42	Safe deep reinforcement learning-based adaptive control for USV interception mission. Ocean Engineering, 2022, 246, 110477.	4.3	48
43	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
44	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
45	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
46	Consensus tracking for multi-agent systems with directed graph via distributed adaptive protocol. Neurocomputing, 2015, 166, 8-13.	5.9	44
47	Analytical Design of Decoupling Internal Model Control (IMC) Scheme for Two-Inputâˆ'Two-Output (TITO) Processes with Time Delays. Industrial & Engineering Chemistry Research, 2006, 45, 3149-3160.	3.7	43
48	Research on the sliding mode control for underactuated surface vessels via parameter estimation. Nonlinear Dynamics, 2018, 91, 1163-1175.	5.2	43
49	Decoupling two-degree-of-freedom control strategy for cascade control systems. Journal of Process Control, 2005, 15, 159-167.	3.3	42
50	Improvement on an inverted decoupling technique for a class of stable linear multivariable processes. ISA Transactions, 2007, 46, 199-210.	5.7	41
51	Design PID controllers for desired time-domain or frequency-domain response. ISA Transactions, 2002, 41, 511-520.	5.7	40
52	Analytical Multiloop PI/PID Controller Design for Two-by-Two Processes with Time Delays. Industrial & Engineering Chemistry Research, 2005, 44, 1832-1841.	3.7	40
53	Relay Feedback Autotuning Method for Integrating Processes with Inverse Response and Time Delay. Industrial & Engineering Chemistry Research, 2006, 45, 3119-3132.	3.7	40
54	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

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55	On dynamic regressor extension and mixing parameter estimators: Two Luenberger observers interpretations. Automatica, 2018, 95, 548-551.	5.0	40
56	Stabilization of parameters perturbation chaotic system via adaptive backstepping technique. Applied Mathematics and Computation, 2008, 200, 101-109.	2.2	39
57	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
58	Adaptive output-feedback formation control for underactuated surface vessels. International Journal of Control, 2020, 93, 400-409.	1.9	37
59	Electrical line–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
60	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
61	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
62	A fault detection observer design for LPV systems in finite frequency domain. International Journal of Control, 2015, 88, 571-584.	1.9	33
63	Event–triggered fault–tolerant control for networked systems with dynamic quantiser. IET Control Theory and Applications, 2016, 10, 1088-1096.	2.1	33
64	Orbital stabilization of nonlinear systems via Mexican sombrero energy shaping and pumping-and-damping injection. Automatica, 2020, 112, 108661.	5.0	33
65	Practical finite time adaptive robust flight control system for quad-copter UAVs. Aerospace Science and Technology, 2020, 98, 105708.	4.8	33
66	Consensus control of multi-agent systems with input and communication delay: A frequency domain perspective. ISA Transactions, 2020, 101, 69-77.	5.7	33
67	IMC-like analytical H_∞ design with S/SP mixed sensitivity consideration: Utility in PID tuning guidance. Journal of Process Control, 2011, 21, 976-985.	3.3	32
68	Path planning and dynamic collision avoidance algorithm under COLREGs via deep reinforcement learning. Neurocomputing, 2022, 468, 181-197.	5.9	32
69	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
70	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
71	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
72	Optimal dead-time compensator design for stable and integrating processes with time delay. Journal of Process Control, 2008, 18, 449-457.	3.3	28

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73	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
74	Multivariable Smith Predictors Design for Nonsquare Plants. IEEE Transactions on Control Systems Technology, 2006, 14, 1145-1149.	5.2	27
75	Algebraic Solution to H_2 Control Problems. II. The Multivariable Decoupling Case. Industrial & Engineering Chemistry Research, 2006, 45, 7163-7176.	3.7	26
76	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
77	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
78	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
79	Controller parameterization for SISO and MIMO plants with time delay. Systems and Control Letters, 2006, 55, 794-802.	2.3	22
80	Statistical process monitoring via generalized non-negative matrix projection. Chemometrics and Intelligent Laboratory Systems, 2013, 121, 15-25.	3.5	22
81	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
82	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
83	Algebraic Solution to H_2 Control Problems. I. The Scalar Case. Industrial & Engineering Chemistry Research, 2006, 45, 7151-7162.	3.7	21
84	Controlled synchronization of discrete-time chaotic systems under communication constraints. Nonlinear Dynamics, 2012, 69, 223-230.	5.2	21
85	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
86	Robust adaptive formation tracking of autonomous surface vehicles with guaranteed performance and actuator faults. Ocean Engineering, 2021, 237, 109592.	4.3	21
87	COLREGs-abiding hybrid collision avoidance algorithm based on deep reinforcement learning for USVs. Ocean Engineering, 2022, 247, 110749.	4.3	21
88	Pressure-fluctuation analysis of a Gasâ€"Solid fluidized bed using the wigner distribution. AICHE Journal, 1997, 43, 345-356.	3.6	20
89	Network partition for switched industrial Ethernet using genetic algorithm. Engineering Applications of Artificial Intelligence, 2007, 20, 79-88.	8.1	20
90	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

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91	Optimized robust control for industrial unstable process via the mirror-mapping method. ISA Transactions, 2019, 86, 9-17.	5.7	20
92	Analytical Two-Degrees-of-Freedom (2-DOF) Decoupling Control Scheme for Multiple-Inputâ'Multiple-Output (MIMO) Processes with Time Delays. Industrial & Engineering Chemistry Research, 2007, 46, 6546-6557.	3.7	19
93	Analytical design and analysis of mismatched Smith predictor. ISA Transactions, 2001, 40, 133-138.	5.7	18
94	AUV path tracking with real-time obstacle avoidance via reinforcement learning under adaptive constraints. Ocean Engineering, 2022, 256, 111453.	4.3	18
95	Optimal Design of the Refined Zieglerâ'Nichols Proportional-Integral-Derivative Controller for Stable and Unstable Processes with Time Delaysâ€. Industrial & Engineering Chemistry Research, 2006, 45, 1408-1419.	3.7	17
96	Sample pair based sparse representation classification for face recognition. Expert Systems With Applications, 2016, 45, 352-358.	7.6	17
97	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
98	Modeling pressure fluctuations via correlation structure in a gasâ€"solids fluidized bed. AICHE Journal, 1997, 43, 1914-1920.	3.6	16
99	Identification of Boolean Networks Using Premined Network Topology Information. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 464-469.	11.3	16
100	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
101	Chattering reduced sliding mode control for a class of chaotic systems. Nonlinear Dynamics, 2018, 93, 2273-2282.	5.2	16
102	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
103	Disturbance observer-based composite neural learning path following control of underactuated ships subject to input saturation. Ocean Engineering, 2020, 216, 108033.	4.3	16
104	Opinion Dynamics of Modified Hegselmann-Krause Model with Group-based Bounded Confidence. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9870-9874.	0.4	15
105	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
106	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
107	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
108	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

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109	Adaptive chaos synchronization based on LMI technique. Physica Scripta, 2007, 75, 285-288.	2.5	14
110	Modified Relay Feedback Identification Based on Describing Function Analysis. Industrial & Engineering Chemistry Research, 2007, 46, 1538-1546.	3.7	14
111	TWO-DEGREE-OF-FREEDOM CONTROL SCHEME FOR PROCESSES WITH LARGE TIME DELAY. Asian Journal of Control, 2008, 8, 50-55.	3.0	14
112	Simple Analytical minâˆ̃max Model Matching Approach to Robust Proportional-Integrative-Derivative Tuning with Smooth Set-Point Response. Industrial & Engineering Chemistry Research, 2010, 49, 690-700.	3.7	14
113	Reconstruction based fault diagnosis using concurrent phase partition and analysis of relative changes for multiphase batch processes with limited fault batches. Chemometrics and Intelligent Laboratory Systems, 2014, 130, 135-150.	3.5	14
114	Neural-network-based reinforcement learning control for path following of underactuated ships. , 2016, , .		14
115	Double-loop chattering-free adaptive integral sliding mode control for underwater vehicles. , 2016, , .		14
116	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
117	Adaptive output feedback super twisting algorithm for trajectory tracking control of USVs with saturated constraints. Ocean Engineering, 2022, 259, 111507.	4.3	14
118	Nominal and robust stability regions of optimization-based PID controllers. ISA Transactions, 2006, 45, 361-371.	5.7	13
119	Sliding Mode Control of Uncertain Neutral Stochastic Systems with Multiple Delays. Mathematical Problems in Engineering, 2008, 2008, 1-9.	1.1	13
120	Linear matrix inequality-based repetitive controller design for linear systems with time-varying input delay. IET Control Theory and Applications, 2010, 4, 1071-1078.	2.1	13
121	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
122	Co-Design of Adaptive Event-Triggered Mechanism and Asynchronous H_∞ Control for 2-D Markov Jump Systems via Genetic Algorithm. IEEE Transactions on Cybernetics, 2023, 53, 5729-5740.	9.5	13
123	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
124	Multivariable disturbance observer-based H_2 analytical decoupling control design for multivariable systems. International Journal of Systems Science, 2016, 47, 179-193.	5.5	12
125	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
126	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

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127	Different types of sliding mode controller for nonlinear fractional multi-Agent system. Chaos, Solitons and Fractals, 2020, 131, 109481.	5.1	12
128	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
129	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
130	A novel predictive control algorithm and robust stability criteria for integrating processes. ISA Transactions, 2011, 50, 454-460.	5.7	10
131	Optimal H_2 Input Load Disturbance Rejection Controller Design for Nonminimum Phase Systems Based on Algebraic Theory. Industrial & Engineering Chemistry Research, 2014, 53, 1515-1528.	3.7	10
132	Femtocaching in video content delivery: Assignment of video clips to serve dynamic mobile users. Computer Communications, 2014, 51, 60-69.	5.1	10
133	Distributed H âˆž PID Feedback for Improving Consensus Performance of Arbitrary-delayed Multi-agent System. International Journal of Automation and Computing, 2014, 11, 189-196.	4.5	10
134	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
135	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
136	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
137	A multiscale data reconciliation approach for sensor fault detection. Progress in Nuclear Energy, 2021, 135, 103707.	2.9	10
138	A developed observer-based type-2 fuzzy control for chaotic systems. International Journal of Systems Science, 2023, 54, 2921-2940.	5.5	10
139	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
140	Hâˆž PID controller design for runaway processes with time delay. ISA Transactions, 2002, 41, 317-322.	5.7	9
141	A new two-degree-of-freedom level control scheme. ISA Transactions, 2002, 41, 333-342.	5.7	9
142	Comparison of several well-known controllers used in process control. ISA Transactions, 2003, 42, 317-325.	5.7	9
143	Chaotic synchronization via linear controller. Chinese Physics B, 2007, 16, 937-941.	1.3	9
144	Exponentially stable guaranteed cost control for continuous and discrete-time Takagiâ€"Sugeno fuzzy systems. Neurocomputing, 2016, 205, 210-221.	5.9	9

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145	An Optimization Problem for Quadcopter Reference Flight Trajectory Generation. Journal of Advanced Transportation, 2018, 2018, 1-15.	1.7	9
146	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
147	Event-triggered robust neural control for unmanned sail-assisted vehicles subject to actuator failures. Ocean Engineering, 2020, 216, 107754.	4.3	9
148	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
149	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
150	Prediction of product formation in 2-keto-l-gulonic acid fermentation through Bayesian combination of multiple neural networks. Process Biochemistry, 2014, 49, 188-194.	3.7	8
151	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
152	Observerâ€Based Consensus Tracking for Nonlinear Multiâ€Agent Systems With Intermittent Communications. Asian Journal of Control, 2016, 18, 1513-1523.	3.0	8
153	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
154	Opinion formation and bi-polarization with biased assimilation and homophily. Physica A: Statistical Mechanics and Its Applications, 2016, 444, 700-712.	2.6	8
155	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
156	H2 consensus control of time-delayed multi-agent systems: A frequency-domain method. ISA Transactions, 2017, 66, 437-447.	5.7	8
157	Modeling and Optimization of Paper-making Wastewater Treatment Based on Reinforcement Learning. , 2018, , .		8
158	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
159	Robust adaptive fault-tolerant control for unmanned surface vehicle via the multiplied event-triggered mechanism. Ocean Engineering, 2022, 249, 110755.	4.3	8
160	Analytical decoupling PI/PID controller design for two-by-two processes with time delays. IET Control Theory and Applications, 2007, 1, 409-416.	2.1	7
161	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
162	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

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163	Energy-Efficient Resource Allocation for Time-Varying OFDMA Relay Systems With Hybrid Energy Supplies. IEEE Systems Journal, 2018, 12, 702-713.	4.6	7
164	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
165	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
166	A new signal injection-based method for estimation of position in interior permanent magnet synchronous motors. IET Power Electronics, 2020, 13, 1865-1874.	2.1	7
167	Output event triggered consensus control of nonlinear multi-agent systems with relative state constraints. ISA Transactions, 2021, 108, 164-177.	5.7	7
168	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
169	New Prototype Selection Rule Integrated Condensing with Editing Process for the Nearest Neighbor Rules. , 0, , .		6
170	Coordinated control of Fossil-Fuel power plant based on the fuzzy PID control. , 2012, , .		6
171	Quantized feedback stabilization of discrete-time linear system with Markovian jump packet losses. Neurocomputing, 2015, 158, 307-314.	5.9	6
172	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
173	Disturbance observer-based consensus control of input-delayed LTI systems with matched disturbances: a predictor feedback approach. IET Control Theory and Applications, 2018, 12, 1584-1591.	2.1	6
174	A greedy navigation and subtle obstacle avoidance algorithm for USV using reinforcement learning. , 2019, , .		6
175	Co-adaptation enhances the resilience of mutualistic networks. Journal of the Royal Society Interface, 2020, 17, 20200236.	3.4	6
176	Saturated Backstepping-Based Tracking Control of a Quadrotor With Uncertain Vehicle Parameters and External Disturbances. , 2022, 6, 1634-1639.		6
177	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
178	A new real-time ethernet MAC protocol for time-critical applications. Central South University, 2002, 9, 54-58.	0.5	5
179	Analytical design of two degree-of-freedom decoupling control scheme for two-by-two systems with integrator(s). IET Control Theory and Applications, 2007, 1, 1380-1389.	2.1	5
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