

Weidong Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

248 papers	3,920 citations	34 h-index	51 g-index
306 ext. papers	5,449 ext. citations	3.7 avg, IF	6.54 L-index

#	Paper	IF	Citations
248	Safe deep reinforcement learning-based adaptive control for USV interception mission. <i>Ocean Engineering</i> , 2022 , 246, 110477	3.9	7
247	COLREGs-abiding hybrid collision avoidance algorithm based on deep reinforcement learning for USVs. <i>Ocean Engineering</i> , 2022 , 247, 110749	3.9	1
246	Saturated Backstepping-Based Tracking Control of a Quadrotor With Uncertain Vehicle Parameters and External Disturbances 2022 , 6, 1634-1639		0
245	State recovery and disturbance estimation-based fast trajectory tracking of autonomous surface vehicles: A finite-time approach. <i>Ocean Engineering</i> , 2022 , 244, 110240	3.9	0
244	Distributed event-triggered target tracking under cyber attacks. <i>Journal of the Franklin Institute</i> , 2022 , 359, 2377-2402	4	
243	Robust adaptive fault-tolerant control for unmanned surface vehicle via the multiplied event-triggered mechanism. <i>Ocean Engineering</i> , 2022 , 249, 110755	3.9	1
242	Load optimization control of SJTU-WEC based on machine learning. <i>Ocean Engineering</i> , 2022 , 249, 1108519	3.9	0
241	Adaptive Neural Fault-tolerant Control for USV with the Output-based Triggering Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	1
240	Event-triggered adaptive neural tracking control for MSVs under input saturation: An appoint-time approach. <i>Ocean Engineering</i> , 2022 , 253, 111097	3.9	0
239	AUV path tracking with real-time obstacle avoidance via reinforcement learning under adaptive constraints. <i>Ocean Engineering</i> , 2022 , 256, 111453	3.9	0
238	Multitask Cooperative Formation Control of Autonomous Surface Vehicles With Interception of Moving Objects. <i>IEEE Journal of Oceanic Engineering</i> , 2021 , 1-11	3.3	0
237	Event-triggered distributed adaptive cooperative control for multiple dynamic positioning ships with actuator faults. <i>Ocean Engineering</i> , 2021 , 242, 110124	3.9	2
236	Event-triggered robust adaptive control for path following of the URS in presence of the marine practice. <i>Ocean Engineering</i> , 2021 , 242, 110139	3.9	0
235	A New Method to Design Distributed Consensus Controller for Linear Multi-Agent Systems with Directed Graphs. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	1
234	Path planning and dynamic collision avoidance algorithm under COLREGs via deep reinforcement learning. <i>Neurocomputing</i> , 2021 , 468, 181-181	5.4	3
233	Bearing-Based Adaptive Neural Formation Scaling Control for Autonomous Surface Vehicles With Uncertainties and Input Saturation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 4653-4664	10.3	4
232	Quadcopter nonsingular finite-time adaptive robust saturated command-filtered control system under the presence of uncertainties and input saturation. <i>Nonlinear Dynamics</i> , 2021 , 104, 1363-1387	5	2

231	A multiscale data reconciliation approach for sensor fault detection. <i>Progress in Nuclear Energy</i> , 2021 , 135, 103707	2.3	2
230	Adaptive neural fault-tolerant control for course tracking of unmanned surface vehicle with event-triggered input. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2021 , 235, 1594-1604	1	4
229	Composite Neural Learning Fault-Tolerant Control for Underactuated Vehicles With Event-Triggered Input. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2327-2338	10.2	23
228	Output event triggered consensus control of nonlinear multi-agent systems with relative state constraints. <i>ISA Transactions</i> , 2021 , 108, 164-177	5.5	4
227	Finite-Time Formation Control of Second-Order Linear Multi-Agent Systems with Relative State Constraints: A Barrier Function Sliding Mode Control Approach. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	2
226	Development of an experimental system for the twin-lift decommissioning operation. <i>Ocean Engineering</i> , 2021 , 234, 108902	3.9	0
225	Practical constrained output feedback formation control of underactuated vehicles via the autonomous dynamic logic guidance. <i>Journal of the Franklin Institute</i> , 2021 , 358, 6566-6591	4	2
224	Robust adaptive formation tracking of autonomous surface vehicles with guaranteed performance and actuator faults. <i>Ocean Engineering</i> , 2021 , 237, 109592	3.9	0
223	Observer-based Multirate Feedback Control Design for Two-time-scale System. <i>International Journal of Automation and Computing</i> , 2021 , 18, 1007	3.5	0
222	A new signal injection-based method for estimation of position in interior permanent magnet synchronous motors. <i>IET Power Electronics</i> , 2020 , 13, 1865-1874	2.2	1
221	COLREGs-constrained adaptive fuzzy event-triggered control for underactuated surface vessels with the actuator failures. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	4
220	Event-triggered extended state observers design for dynamic positioning vessels subject to unknown sea loads. <i>Ocean Engineering</i> , 2020 , 209, 107242	3.9	33
219	Robust neural event-triggered control for dynamic positioning ships with actuator faults. <i>Ocean Engineering</i> , 2020 , 207, 107292	3.9	27
218	Adaptive tracking control of unmanned underwater vehicles with compensation for external perturbations and uncertainties using Port-Hamiltonian theory. <i>Ocean Engineering</i> , 2020 , 209, 107402	3.9	8
217	Dynamic Collision Avoidance Algorithm for Unmanned Surface Vehicles via Layered Artificial Potential Field with Collision Cone. <i>Journal of Navigation</i> , 2020 , 73, 1306-1325	2.3	9
216	Practical finite time adaptive robust flight control system for quad-copter UAVs. <i>Aerospace Science and Technology</i> , 2020 , 98, 105708	4.9	15
215	Consensus control of multi-agent systems with input and communication delay: A frequency domain perspective. <i>ISA Transactions</i> , 2020 , 101, 69-77	5.5	16
214	Tracking control problem in general linear and Lipschitz nonlinear multi-agent systems with jointly connected topology. <i>Journal of the Franklin Institute</i> , 2020 , 357, 6121-6136	4	4

213	Fractional sliding mode based on RBF neural network observer: Application to HIV infection mathematical model. <i>Computers and Mathematics With Applications</i> , 2020 , 79, 3179-3188	2.7	11
212	A robust control of a class of induction motors using rough type-2 fuzzy neural networks. <i>Soft Computing</i> , 2020 , 24, 9809-9819	3.5	5
211	Simultaneous Fault Estimation for Markovian Jump Systems With Generally Uncertain Transition Rates: A Reduced-Order Observer Approach. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 7889-7897	8.9	10
210	Trajectory Tracking Control of AUVs via Adaptive Fast Nonsingular Integral Terminal Sliding Mode Control. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 1248-1258	11.9	102
209	The expressivity and training of deep neural networks: Toward the edge of chaos?. <i>Neurocomputing</i> , 2020 , 386, 8-17	5.4	1
208	On generation of virtual outputs via signal injection: Application to observer design for electromechanical systems. <i>European Journal of Control</i> , 2020 , 54, 129-139	2.5	2
207	Disturbance observer-based composite neural learning path following control of underactuated ships subject to input saturation. <i>Ocean Engineering</i> , 2020 , 216, 108033	3.9	6
206	Co-adaptation enhances the resilience of mutualistic networks. <i>Journal of the Royal Society Interface</i> , 2020 , 17, 20200236	4.1	2
205	Finite-time extended state observer based nonsingular fast terminal sliding mode control of autonomous underwater vehicles. <i>Ocean Engineering</i> , 2020 , 218, 108179	3.9	27
204	Intelligent collision avoidance algorithms for USVs via deep reinforcement learning under COLREGs. <i>Ocean Engineering</i> , 2020 , 217, 107704	3.9	19
203	Event-triggered robust neural control for unmanned sail-assisted vehicles subject to actuator failures. <i>Ocean Engineering</i> , 2020 , 216, 107754	3.9	3
202	Robust Asynchronous Output-Feedback Controller Design for Markovian Jump Systems With Output Quantization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-10	7.3	3
201	Performance Improvement of Consensus Tracking for Linear Multiagent Systems With Input Saturation: A Gain Scheduled Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 734-746	7.3	4
200	Observer-Based Output Feedback Integral Control for Coal-Fired Power Plant: A Three-Time-Scale Perspective. <i>IEEE Transactions on Control Systems Technology</i> , 2020 , 28, 601-608	4.8	3
199	Controller Designed via an Adaptive Reaching Law for DSMC Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 330-334	3.5	10
198	Adaptive output-feedback formation control for underactuated surface vessels. <i>International Journal of Control</i> , 2020 , 93, 400-409	1.5	17
197	Gain scheduling consensus of multi-agent systems subject to actuator saturation. <i>International Journal of Control</i> , 2020 , 93, 771-782	1.5	1
196	Finite-time Adaptive Integral Backstepping Fast Terminal Sliding Mode Control Application on Quadrotor UAV. <i>International Journal of Control, Automation and Systems</i> , 2020 , 18, 415-430	2.9	29

195	Orbital stabilization of nonlinear systems via Mexican sombrero energy shaping and pumping-and-damping injection. <i>Automatica</i> , 2020 , 112, 108661	5.7	16
194	Different types of sliding mode controller for nonlinear fractional multi-Agent system. <i>Chaos, Solitons and Fractals</i> , 2020 , 131, 109481	9.3	4
193	An Interval Type-3 Fuzzy System and a New Online Fractional-Order Learning Algorithm: Theory and Practice. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 1940-1950	8.3	47
192	Robust global consensus tracking of linear multi-agent systems with input saturation via scheduled low-and-high gain feedback. <i>IET Control Theory and Applications</i> , 2019 , 13, 69-77	2.5	6
191	An extensible approach for real-time bidding with model-free reinforcement learning. <i>Neurocomputing</i> , 2019 , 360, 97-106	5.4	1
190	Adaptive output-feedback control with prescribed performance for trajectory tracking of underactuated surface vessels. <i>ISA Transactions</i> , 2019 , 95, 18-26	5.5	37
189	On State Observers for Nonlinear Systems: A New Design and a Unifying Framework. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 1193-1200	5.9	14
188	Adaptive Second-Order Fast Nonsingular Terminal Sliding Mode Tracking Control for Fully Actuated Autonomous Underwater Vehicles. <i>IEEE Journal of Oceanic Engineering</i> , 2019 , 44, 363-385	3.3	100
187	A Frequency Domain Interpretation of Signal Injection Methods for Salient PMSMs 2019 ,		2
186	Finite-time dissipative filtering for uncertain discrete-time systems with state and disturbance-dependent noise over fading channels. <i>ISA Transactions</i> , 2019 , 86, 134-143	5.5	8
185	Fuzzy Categorical Deep Reinforcement Learning of a Defensive Game for an Unmanned Surface Vessel. <i>International Journal of Fuzzy Systems</i> , 2019 , 21, 592-606	3.6	10
184	Optimized robust control for industrial unstable process via the mirror-mapping method. <i>ISA Transactions</i> , 2019 , 86, 9-17	5.5	12
183	H 2 input load disturbance rejection controller design for synchronised output regulation of time-delayed multi-agent systems with frequency domain method. <i>International Journal of Control</i> , 2019 , 92, 356-367	1.5	5
182	Double-Loop Integral Terminal Sliding Mode Tracking Control for UUVs With Adaptive Dynamic Compensation of Uncertainties and Disturbances. <i>IEEE Journal of Oceanic Engineering</i> , 2019 , 44, 29-53	3.3	109
181	Security-based resilient event-triggered control of networked control systems under denial of service attacks. <i>Journal of the Franklin Institute</i> , 2019 , 356, 10277-10295	4	32
180	RBF Neural Network Sliding Mode Consensus of Multiagent Systems with Unknown Dynamical Model of Leader-follower Agents. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 749-758	2.9	13
179	Event-triggered state estimation for time-delayed complex networks with gain variations based on partial nodes. <i>International Journal of General Systems</i> , 2018 , 47, 477-490	2.1	19
178	Dual SIMC-PI Controller Design for Cascade Implement of Input Resetting Control with Application. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 6947-6955	3.9	4

177	Robust adaptive trajectory tracking control of underactuated surface vessel in fields of marine practice. <i>Journal of Marine Science and Technology</i> , 2018 , 23, 950-957	1.7	27
176	Output feedback semiglobal practical consensus of linear systems with relative state-dependent uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 3560-3573	3.6	2
175	Consensus controllers for general integrator multi-agent systems: analysis, design and application to autonomous surface vessels. <i>IET Control Theory and Applications</i> , 2018 , 12, 669-678	2.5	8
174	Disturbance observer-based control for consensus tracking of multi-agent systems with input delays from a frequency domain perspective. <i>Systems and Control Letters</i> , 2018 , 114, 66-75	2.4	20
173	. <i>IEEE Systems Journal</i> , 2018 , 12, 702-713	4.3	6
172	Performance recovery of a class of uncertain non-affine systems with unmodelled dynamics: an indirect dynamic inversion method. <i>International Journal of Control</i> , 2018 , 91, 266-284	1.5	6
171	Concise deep reinforcement learning obstacle avoidance for underactuated unmanned marine vessels. <i>Neurocomputing</i> , 2018 , 272, 63-73	5.4	92
170	Active disturbance rejection controller design for dynamically positioned vessels based on adaptive hybrid biogeography-based optimization and differential evolution. <i>ISA Transactions</i> , 2018 , 78, 56-65	5.5	34
169	An Optimization Problem for Quadcopter Reference Flight Trajectory Generation. <i>Journal of Advanced Transportation</i> , 2018 , 2018, 1-15	1.9	4
168	Disturbance observer-based consensus control of input-delayed LTI systems with matched disturbances: a predictor feedback approach. <i>IET Control Theory and Applications</i> , 2018 , 12, 1584-1591	2.5	4
167	Robust H2 optimal depth control of an autonomous underwater vehicle with output disturbances and time delay. <i>Ocean Engineering</i> , 2018 , 165, 399-409	3.9	7
166	Adaptive cooperative formation control of autonomous surface vessels with uncertain dynamics and external disturbances. <i>Ocean Engineering</i> , 2018 , 167, 36-44	3.9	45
165	Robust adaptive formation control of underactuated autonomous surface vessels based on MLP and DOB. <i>Nonlinear Dynamics</i> , 2018 , 94, 503-519	5	54
164	Naming game with biased assimilation over adaptive networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 490, 260-268	3.3	2
163	Relaxing the conditions for parameter estimation-based observers of nonlinear systems via signal injection. <i>Systems and Control Letters</i> , 2018 , 111, 18-26	2.4	12
162	Research on the sliding mode control for underactuated surface vessels via parameter estimation. <i>Nonlinear Dynamics</i> , 2018 , 91, 1163-1175	5	30
161	Leader-follower formation control of underactuated surface vehicles based on sliding mode control and parameter estimation. <i>ISA Transactions</i> , 2018 , 72, 15-24	5.5	65
160	An Adaptive Observer for Sensorless Control of the Levitated Ball Using Signal Injection 2018 ,		3

159	Dynamics Analysis of a Discrete Variable Structure Controller for Uncertain Systems 2018 ,		1
158	Modeling and Optimization of Paper-making Wastewater Treatment Based on Reinforcement Learning 2018 ,		3
157	Two-degree-of-freedom optimal consensus scheme of fractional-order multi-agent systems. <i>IET Control Theory and Applications</i> , 2018 , 12, 2175-2183	2.5	4
156	Observer-Based Spatial Control of Advanced Heavy Water Reactor Using Time-Scale Decoupling. <i>IEEE Transactions on Nuclear Science</i> , 2018 , 65, 2756-2766	1.7	3
155	Novel DVS guidance and path-following control for underactuated ships in presence of multiple static and moving obstacles. <i>Ocean Engineering</i> , 2018 , 170, 100-110	3.9	37
154	Chattering reduced sliding mode control for a class of chaotic systems. <i>Nonlinear Dynamics</i> , 2018 , 93, 2273-2282	5	10
153	On dynamic regressor extension and mixing parameter estimators: Two Luenberger observers interpretations. <i>Automatica</i> , 2018 , 95, 548-551	5.7	26
152	Optimal control of non-minimum phase integrating processes with time delay using disturbance observer-based control scheme. <i>International Journal of Systems Science</i> , 2018 , 49, 1725-1737	2.3	
151	Identification of Boolean Networks Using Premined Network Topology Information. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 464-469	10.3	9
150	MLP-based adaptive neural control of nonlinear time-delay systems with the unknown hysteresis. <i>International Journal of Systems Science</i> , 2017 , 48, 1682-1691	2.3	2
149	LMI Relaxations for Quadratic Stabilization of Guaranteed Cost Control of TS Fuzzy Systems. <i>International Journal of Fuzzy Systems</i> , 2017 , 19, 1392-1405	3.6	1
148	Cooperative output regulation of linear heterogeneous systems with mismatched uncertainties via generalised extended state observer. <i>IET Control Theory and Applications</i> , 2017 , 11, 685-693	2.5	6
147	Non-fragile filtering for fuzzy systems with state and disturbance dependent noise. <i>Neurocomputing</i> , 2017 , 260, 59-68	5.4	2
146	Design of three exponentially convergent robust controllers for the trajectory tracking of autonomous underwater vehicles. <i>Ocean Engineering</i> , 2017 , 134, 157-172	3.9	39
145	Optimal disturbance rejection controllers design for synchronised output regulation of time-delayed multi-agent systems. <i>IET Control Theory and Applications</i> , 2017 , 11, 1053-1062	2.5	7
144	Adaptive non-singular integral terminal sliding mode tracking control for autonomous underwater vehicles. <i>IET Control Theory and Applications</i> , 2017 , 11, 1293-1306	2.5	141
143	Analysis of naming game over networks in the presence of memory loss. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017 , 479, 350-361	3.3	7
142	H consensus control of time-delayed multi-agent systems: A frequency-domain method. <i>ISA Transactions</i> , 2017 , 66, 437-447	5.5	8

141	Guaranteed cost consensus protocol design for linear multi-agent systems with sampled-data information: An input delay approach. <i>ISA Transactions</i> , 2017 , 67, 87-97	5.5	31
140	An adaptive sliding-mode observer with a tangent function-based PLL structure for position sensorless PMSM drives. <i>International Journal of Electrical Power and Energy Systems</i> , 2017 , 88, 63-74	5.1	49
139	Robust Neural Control for Dynamic Positioning Ships With the Optimum-Seeking Guidance. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 1500-1509	7.3	22
138	Finite-time observer based accurate tracking control of a marine vehicle with complex unknowns. <i>Ocean Engineering</i> , 2017 , 145, 406-415	3.9	94
137	Alternative approach to calculate the structure matrix of Boolean network with semi-tensor product. <i>IET Control Theory and Applications</i> , 2017 , 11, 2048-2057	2.5	1
136	Robust neural path-following control for underactuated ships with the DVS obstacles avoidance guidance. <i>Ocean Engineering</i> , 2017 , 143, 198-208	3.9	46
135	An optimal reputation-based detection against SSDF attacks in industrial cognitive radio network 2017 ,		4
134	Practical proportional integral sliding mode control for underactuated surface ships in the fields of marine practice. <i>Ocean Engineering</i> , 2017 , 142, 217-223	3.9	30
133	Optimal disturbance rejection controller design for integrating processes with dead time based on algebraic theory. <i>International Journal of Systems Science</i> , 2017 , 48, 1266-1280	2.3	1
132	Electrical line-shafting control for motor speed synchronisation using sliding mode controller and disturbance observer. <i>IET Control Theory and Applications</i> , 2017 , 11, 205-212	2.5	28
131	Observer-Based Consensus Control Against Actuator Faults for Linear Parameter-Varying Multiagent Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 1336-1347	7.3	32
130	Robust neural output-feedback stabilization for stochastic nonlinear process with time-varying delay and unknown dead zone. <i>Science China Information Sciences</i> , 2017 , 60, 1	3.4	6
129	Internal model control on hybrid headbox system 2017 ,		1
128	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, U1509211). <i>IFAC-PapersOnLine</i> , 2017 , 50, 3617-3622	0.7	3
127	2017 ,		1
126	On finite-level dynamic quantisation of event-triggered networked systems with actuator fault. <i>IET Control Theory and Applications</i> , 2017 , 11, 2927-2937	2.5	2
125	Sample pair based sparse representation classification for face recognition. <i>Expert Systems With Applications</i> , 2016 , 45, 352-358	7.8	15
124	Multivariable disturbance observer-based H2 analytical decoupling control design for multivariable systems. <i>International Journal of Systems Science</i> , 2016 , 47, 179-193	2.3	8

123	Extended and unscented Kalman filters for parameter estimation of a hydrodynamic model of vessel 2016 ,		3
122	Output tracking of boiler-turbine system by fuzzy guaranteed cost control 2016 ,		1
121	A nonlinear updated gain observer for MIMO systems: Design, analysis and application to marine surface vessels. <i>ISA Transactions</i> , 2016 , 64, 129-140	5.5	5
120	Double-loop chattering-free adaptive integral sliding mode control for underwater vehicles 2016 ,		13
119	Observer-Based Consensus Tracking for Nonlinear Multi-Agent Systems With Intermittent Communications. <i>Asian Journal of Control</i> , 2016 , 18, 1513-1523	1.7	7
118	Robust adaptive tracking control of MIMO nonlinear systems in the presence of actuator hysteresis. <i>International Journal of Systems Science</i> , 2016 , 47, 2359-2369	2.3	7
117	Distributed adaptive containment control of heterogeneous linear multi-agent systems: an output regulation approach. <i>IET Control Theory and Applications</i> , 2016 , 10, 95-102	2.5	56
116	Opinion formation and bi-polarization with biased assimilation and homophily. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 444, 700-712	3.3	6
115	Observer-based consensus tracking of multi-agent systems with one-sided Lipschitz nonlinearity. <i>Journal of the Franklin Institute</i> , 2016 , 353, 1594-1614	4	38
114	An extended inner-loop factorisation algorithm based on the structure of a transfer function matrix inverse. <i>International Journal of Systems Science</i> , 2016 , 47, 1624-1635	2.3	
113	Adaptive consensus tracking for linear multi-agent systems with input saturation. <i>Transactions of the Institute of Measurement and Control</i> , 2016 , 38, 1434-1441	1.8	15
112	Event-triggered fault-tolerant control for networked systems with dynamic quantiser. <i>IET Control Theory and Applications</i> , 2016 , 10, 1088-1096	2.5	27
111	An energy optimal thrust allocation method for the marine dynamic positioning system based on adaptive hybrid artificial bee colony algorithm. <i>Ocean Engineering</i> , 2016 , 118, 216-226	3.9	25
110	Exponentially stable guaranteed cost control for continuous and discrete-time Takagi-Sugeno fuzzy systems. <i>Neurocomputing</i> , 2016 , 205, 210-221	5.4	9
109	Robust distributed model predictive control under actuator saturations and packet dropouts with time-varying probabilities. <i>IET Control Theory and Applications</i> , 2016 , 10, 534-544	2.5	7
108	Neural-network-based reinforcement learning control for path following of underactuated ships 2016 ,		7
107	Two-time scale path following of underactuated marine surface vessels: Design and stability analysis using singular perturbation methods. <i>Ocean Engineering</i> , 2016 , 124, 287-297	3.9	31
106	Dynamic quantised feedback stabilisation of discrete-time linear system with white noise input. <i>International Journal of Systems Science</i> , 2015 , 46, 2221-2230	2.3	1

105	Robust reliable feedback controller design against actuator faults for linear parameter-varying systems in finite-frequency domain. <i>IET Control Theory and Applications</i> , 2015 , 9, 1595-1607	2.5	11
104	Consensus tracking for multi-agent systems with directed graph via distributed adaptive protocol. <i>Neurocomputing</i> , 2015 , 166, 8-13	5.4	35
103	Vision-Based Model Predictive Control for Steering of a Nonholonomic Mobile Robot. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 1-1	4.8	47
102	Observer-based adaptive consensus tracking for linear multi-agent systems with input saturation. <i>IET Control Theory and Applications</i> , 2015 , 9, 2124-2131	2.5	42
101	Robust controller synthesis for high order unstable processes with time delay using mirror mapping technique. <i>ISA Transactions</i> , 2015 , 59, 10-9	5.5	5
100	Stabilization of discrete-time linear systems with quantization and arbitrary packet losses. <i>Transactions of the Institute of Measurement and Control</i> , 2015 , 37, 1084-1094	1.8	3
99	Quantized feedback stabilization of discrete-time linear system with Markovian jump packet losses. <i>Neurocomputing</i> , 2015 , 158, 307-314	5.4	6
98	Opinion dynamics of modified Hegselmann-Krause model in a group-based population with heterogeneous bounded confidence. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 419, 558-565	3.3	42
97	Stabilization of Discrete-Time Linear Systems With Quantization and Noise Input. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	2
96	On the pole of non-square transfer function matrix Moore-Penrose pseudo-inverses. <i>International Journal of Systems Science</i> , 2015 , 46, 2560-2571	2.3	4
95	Stabilization of Markov Jump Linear Systems with Input Quantization. <i>Circuits, Systems, and Signal Processing</i> , 2015 , 34, 2109-2126	2.2	1
94	A fault detection observer design for LPV systems in finite frequency domain. <i>International Journal of Control</i> , 2015 , 88, 571-584	1.5	27
93	. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 1044-1056	8.3	63
92	sEMG-based joint force control for an upper-limb power-assist exoskeleton robot. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014 , 18, 1043-50	7.2	127
91	Optimal H ₂ Input Load Disturbance Rejection Controller Design for Nonminimum Phase Systems Based on Algebraic Theory. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 1515-1528	3.9	7
90	Femtocaching in video content delivery: Assignment of video clips to serve dynamic mobile users. <i>Computer Communications</i> , 2014 , 51, 60-69	5.1	8
89	Distributed H ₂ /H _∞ Feedback for Improving Consensus Performance of Arbitrary-delayed Multi-agent System. <i>International Journal of Automation and Computing</i> , 2014 , 11, 189-196	3.5	8
88	Prediction of product formation in 2-keto-l-gulonic acid fermentation through Bayesian combination of multiple neural networks. <i>Process Biochemistry</i> , 2014 , 49, 188-194	4.8	5

87	Opinion Dynamics of Modified Hegselmann-Krause Model with Group-based Bounded Confidence. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 9870-9874		9
86	Scheduling of electric vehicle charging request and power allocation at charging stations with renewable energy 2014 ,		3
85	Applications of adaptive CKF algorithm in short-term load forecasting of smart grid 2014 ,		3
84	Reconstruction based fault diagnosis using concurrent phase partition and analysis of relative changes for multiphase batch processes with limited fault batches. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014 , 130, 135-150	3.8	12
83	Control for a class of non-linear singularly perturbed systems subject to actuator saturation. <i>IET Control Theory and Applications</i> , 2013 , 7, 1415-1421	2.5	2
82	Statistical process monitoring via generalized non-negative matrix projection. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013 , 121, 15-25	3.8	17
81	Estimation for Stochastic Time Delays in Networked Control Systems by Partly Unknown Transition Probabilities of Markovian Chains. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2013 , 135, 145081-1450816	1.6	3
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