

# Yong-Duan Song

## 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.

249  
papers

7,998  
citations

48  
h-index

81  
g-index

288  
ext. papers

10,326  
ext. citations

5.3  
avg, IF

7.13  
L-index

#	Paper	IF	Citations
249	Backstepping Design Embedded With Time-Varying Command Filters. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2022</b> , 1-1	3.5	1
248	Prescribed performance control of Euler-Lagrange systems tracking targets with unknown trajectory. <i>Neurocomputing</i> , <b>2022</b> , 480, 212-219	5.4	
247	Practical prescribed time tracking control over infinite time interval involving mismatched uncertainties and non-vanishing disturbances. <i>Automatica</i> , <b>2022</b> , 136, 110050	5.7	4
246	Decentralized adaptive control of uncertain interconnected systems with triggering state signals. <i>Automatica</i> , <b>2022</b> , 141, 110283	5.7	2
245	Comments on "Tracking Performance Guarantees in the Presence of Quantization for Uncertain Nonlinear Systems" <i>IEEE Transactions on Automatic Control</i> , <b>2022</b> , 1-1	5.9	1
244	Editorial Biologically Learned/Inspired Methods for Sensing, Control, and Decision. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2022</b> , 33, 1820-1824	10.3	
243	Adaptive control with guaranteed transient behavior and zero steady-state error for systems with time-varying parameters. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2022</b> , 1-10	7	1
242	Neuroadaptive Fault-Tolerant Control Under Multiple Objective Constraints With Applications to Tire Production Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 3391-3400	10.3	3
241	Neuroadaptive Optimal Fixed-Time Synchronization and Its Circuit Realization for Unidirectionally Coupled FO Self-Sustained Electromechanical Seismograph Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	2
240	Event-Triggered Practical Prescribed Time Output Feedback Neuroadaptive Tracking Control Under Saturated Actuation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	3
239	Safe convex-circumnavigation of one agent around multiple targets using bearing-only measurements. <i>Automatica</i> , <b>2021</b> , 134, 109934	5.7	2
238	Fault-tolerant Adaptive Tracking Control of Euler-Lagrange Systems "An Echo State Network Approach Driven by Reinforcement Learning. <i>Neurocomputing</i> , <b>2021</b> ,	5.4	1
237	Globally Exponentially Stable Tracking Control of Self-Restructuring Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 4755-4765	10.2	2
236	Intrinsic Plasticity-Based Neuroadaptive Control With Both Weights and Excitability Tuning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 3282-3286	10.3	
235	Low-Cost Approximation-Based Adaptive Tracking Control of Output-Constrained Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 4890-4900	10.3	11
234	Dynamical analysis and accelerated optimal stabilization of the fractional-order self-sustained electromechanical seismograph system with fuzzy wavelet neural network. <i>Nonlinear Dynamics</i> , <b>2021</b> , 104, 1389-1404	5	7
233	Prescribed-time control of uncertain strict-feedback-like systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2021</b> , 31, 5281-5297	3.6	4

232	Performance Guaranteed Consensus Tracking Control of Nonlinear Multiagent Systems: A Finite-Time Function-Based Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 1536-1546	10.3	12
231	A Survey on Learning-Based Approaches for Modeling and Classification of Human-Machine Dialog Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 1418-1432	10.3	4
230	Performance guaranteed fault-tolerant control of robotic manipulators under actuator faults and motion constraints. <i>International Journal of Control</i> , <b>2021</b> , 94, 881-892	1.5	4
229	Zero-Error Consensus Tracking With Preassignable Convergence for Nonaffine Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 1300-1310	10.2	10
228	Robust Adaptive Contact Force Control of Pantograph-Catenary System: An Accelerated Output Feedback Approach. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 7391-7399	8.9	3
227	Neuroadaptive fault-tolerant control of state constrained pure-feedback systems: A collective backstepping design. <i>Neurocomputing</i> , <b>2021</b> , 420, 90-97	5.4	3
226	Adaptive Decentralized Output-Feedback Control Dealing With Static/Dynamic Interactions and Different-Unknown Subsystem Control Directions. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 3818-3824	5.9	2
225	A Unified Event-Triggered Control Approach for Uncertain Pure-Feedback Systems With or Without State Constraints. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 1262-1271	10.2	23
224	Tracking Control of Unknown and Constrained Nonlinear Systems via Neural Networks With Implicit Weight and Activation Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 5427-5434	10.3	1
223	Fixed-Time Projection Algorithm for Distributed Constrained Optimization on Time-varying Digraphs. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	1
222	A Unified Framework for Adaptive Leaderless Consensus of Uncertain Multi-agent Systems under Directed Graphs. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	4
221	Adaptive Event-Triggered Control of Uncertain Nonlinear Systems Using Intermittent Output Only. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	10
220	. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	12
219	Practical Prescribed Time Control of Euler-Lagrange Systems With Partial/Full State Constraints: A Settling Time Regulator-Based Approach. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	2
218	Fault-Tolerant Adaptive Learning Control for Quadrotor UAVs With the Time-Varying CoG and Full-State Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 5610-5622	10.3	2
217	Unified tracking control under full-state constraints imposed irregularly. <i>International Journal of Robust and Nonlinear Control</i> , <b>2021</b> , 31, 2237-2254	3.6	1
216	Control of nonlinear systems under dynamic constraints: A unified barrier function-based approach. <i>Automatica</i> , <b>2020</b> , 119, 109102	5.7	35
215	Robust Event-Triggered Dynamic Average Consensus Against Communication Link Failures With Application to Battery Control. <i>IEEE Transactions on Control of Network Systems</i> , <b>2020</b> , 7, 1559-1570	4	7

214	Fault-tolerant tracking control with guaranteed performance for nonlinearly parameterized systems under uncertain initial conditions. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 6805-6823	4	2
213	Adaptive backstepping optimal control of a fractional-order chaotic magnetic-field electromechanical transducer. <i>Nonlinear Dynamics</i> , <b>2020</b> , 100, 523-540	5	18
212	A Distributed Continuous-Time Algorithm for Nonsmooth Constrained Optimization. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 4914-4921	5.9	3
211	Output feedback control for constrained pure-feedback systems: A non-recursive and transformational observer based approach. <i>Automatica</i> , <b>2020</b> , 113, 108789	5.7	4
210	Neuroadaptive Control Design for Pure-Feedback Nonlinear Systems: A One-Step Design Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 3389-3399	10.3	2
209	Accelerated Adaptive Fuzzy Optimal Control of Three Coupled Fractional-Order Chaotic Electromechanical Transducers. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 1-1	8.3	12
208	Prespecifiable fixed-time control for a class of uncertain nonlinear systems in strict-feedback form. <i>International Journal of Robust and Nonlinear Control</i> , <b>2020</b> , 30, 1203-1222	3.6	12
207	A low-cost estimator for target localization and circumnavigation using bearing measurements. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 9654-9672	4	5
206	Adaptive PID-like fault-tolerant control for robot manipulators with given performance specifications. <i>International Journal of Control</i> , <b>2020</b> , 93, 377-386	1.5	16
205	Imbalanced dataset-based echo state networks for anomaly detection. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 3685-3694	4.8	5
204	Distributed Secure State Estimation and Control for CPSs Under Sensor Attacks. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 259-269	10.2	24
203	Neuroadaptive Robotic Control Under Time-Varying Asymmetric Motion Constraints: A Feasibility-Condition-Free Approach. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 15-24	10.2	41
202	Event-triggered adaptive neural network controller for uncertain nonlinear system. <i>Information Sciences</i> , <b>2020</b> , 506, 148-160	7.7	18
201	Optimal Synchronization of Unidirectionally Coupled FO Chaotic Electromechanical Devices With the Hierarchical Neural Network. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , PP,	10.3	3
200	Cooperative Adaptive Consensus Control for Uncertain Multi-agent Systems with nth-Order Dynamics Under Undirected Graph. <i>Communications and Control Engineering</i> , <b>2019</b> , 49-71	0.6	
199	Intelligent Safe Driving Methods Based on Hybrid Automata and Ensemble CART Algorithms for Multihigh-Speed Trains. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 3816-3826	10.2	13
198	A general approach to precise tracking of nonlinear systems subject to non-vanishing uncertainties. <i>Automatica</i> , <b>2019</b> , 106, 306-314	5.7	5
197	Tracking control of MIMO nonlinear systems under full state constraints: A Single-parameter adaptation approach free from feasibility conditions. <i>Automatica</i> , <b>2019</b> , 107, 52-60	5.7	52

196	New absolute stability results for Lurie systems with interval time-varying delay based on improved Wirtinger-type integral inequality. <i>International Journal of Robust and Nonlinear Control</i> , <b>2019</b> , 29, 2422-2437	3.6	1
195	Finite-Time Leaderless Consensus Control for Systems with First-Order Uncertain Dynamics. <i>Communications and Control Engineering</i> , <b>2019</b> , 97-119	0.6	
194	Finite-Time Consensus for Systems with Second-Order Uncertain Dynamics Under Directed Topology. <i>Communications and Control Engineering</i> , <b>2019</b> , 143-169	0.6	
193	Neuroadaptive Cooperative Control Without Velocity Measurement for Multiple Humanoid Robots Under Full-State Constraints. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 2956-2964	8.9	25
192	. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 1265-1272	5.9	117
191	. <i>IEEE Transactions on Control of Network Systems</i> , <b>2019</b> , 6, 537-548	4	36
190	Memristor-Based Echo State Network With Online Least Mean Square. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 1787-1796	7.3	60
189	Practical tracking control of perturbed uncertain nonaffine systems with full state constraints. <i>Automatica</i> , <b>2019</b> , 110, 108608	5.7	38
188	Prescribed performance control of strict-feedback systems under actuation saturation and output constraint via event-triggered approach. <i>International Journal of Robust and Nonlinear Control</i> , <b>2019</b> , 29, 6357-6373	3.6	14
187	Lyapunov Analysis for Cooperative Adaptive Consensus Under Undirected Graph. <i>Communications and Control Engineering</i> , <b>2019</b> , 37-47	0.6	
186	Finite-Time Consensus for Systems with Second-Order Uncertain Dynamics Under Undirected Topology. <i>Communications and Control Engineering</i> , <b>2019</b> , 121-142	0.6	
185	Regular error feedback based adaptive practical prescribed time tracking control of normal-form nonaffine systems. <i>Journal of the Franklin Institute</i> , <b>2019</b> , 356, 2759-2779	4	12
184	Prescribed Performance Neuroadaptive Fault-Tolerant Compensation for MIMO Nonlinear Systems Under Extreme Actuator Failures. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 1-10	7.3	4
183	Disturbance observer-based decentralised power tracking control of wind farms. <i>IET Renewable Power Generation</i> , <b>2019</b> , 13, 1741-1749	2.9	1
182	Cooperative Control of Nonlinear Networked Systems. <i>Communications and Control Engineering</i> , <b>2019</b> ,	0.6	2
181	Nonfragile Dissipative Synchronization for Markovian Memristive Neural Networks: A Gain-Scheduled Control Scheme. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 1841-1853	10.3	90
180	Neuroadaptive Fault-Tolerant Control of Quadrotor UAVs: A More Affordable Solution. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 1975-1983	10.3	52
179	Intelligent Positioning Approach for High Speed Trains Based on Ant Colony Optimization and Machine Learning Algorithms. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2019</b> , 20, 3737-3746	6.1	11

178	Tracking control of nonlinear systems with improved performance via transformational approach. <i>International Journal of Robust and Nonlinear Control</i> , <b>2019</b> , 29, 1789-1806	3.6	3
177	Finite-Time Leaderless Consensus Control for Systems with High-Order Uncertain Dynamics. <i>Communications and Control Engineering</i> , <b>2019</b> , 171-197	0.6	
176	Dissipativity-Based Fuzzy Control of Nonlinear Systems via an Event-Triggered Mechanism. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 1208-1217	7.3	35
175	Prescribed-Time Consensus and Containment Control of Networked Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 1138-1147	10.2	103
174	Time-varying feedback for stabilization in prescribed finite time. <i>International Journal of Robust and Nonlinear Control</i> , <b>2019</b> , 29, 618-633	3.6	55
173	Neuro-Adaptive Control With Given Performance Specifications for Strict Feedback Systems Under Full-State Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 25-34	10.3	23
172	Zero-error tracking control with pre-assignable convergence mode for nonlinear systems under nonvanishing uncertainties and unknown control direction. <i>Systems and Control Letters</i> , <b>2018</b> , 115, 34-40	2.4	21
171	Sliding mode control of hybrid switched systems via an event-triggered mechanism. <i>Automatica</i> , <b>2018</b> , 90, 294-303	5.7	157
170	Neuroadaptive Control of Strict Feedback Systems With Full-State Constraints and Unknown Actuation Characteristics: An Inexpensive Solution. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 3126-3134	10.2	22
169	New results on stability analysis of delayed systems derived from extended Wirtinger's integral inequality. <i>Neurocomputing</i> , <b>2018</b> , 283, 98-106	5.4	30
168	Neuroadaptive Control With Given Performance Specifications for MIMO Strict-Feedback Systems Under Nonsmooth Actuation and Output Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 4414-4425	10.3	16
167	Localization and circumnavigation of multiple agents along an unknown target based on bearing-only measurement: A three dimensional solution. <i>Automatica</i> , <b>2018</b> , 94, 18-25	5.7	34
166	Adaptive Output Formation-Tracking of Heterogeneous Multi-Agent Systems Using Time-Varying $\mathcal{L}_2$ -Gain Design <b>2018</b> , 2, 236-241		23
165	Adaptive output containment control of heterogeneous multi-agent systems with unknown leaders. <i>Automatica</i> , <b>2018</b> , 92, 235-239	5.7	48
164	Fully Distributed Adaptive Consensus Control of a Class of High-Order Nonlinear Systems With a Directed Topology and Unknown Control Directions. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 2349-2356	10.2	58
163	Optimal Robust Output Containment of Unknown Heterogeneous Multiagent System Using Off-Policy Reinforcement Learning. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 3197-3207	10.2	37
162	Neuroadaptive Fault-Tolerant Control of Nonlinear Systems Under Output Constraints and Actuation Faults. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 286-298	10.3	62
161	Terminal Sliding Mode-Based Consensus Tracking Control for Networked Uncertain Mechanical Systems on Digraphs. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 749-756	10.3	46

160	Hierarchical Coordinated Control of Flywheel Energy Storage Matrix Systems for Wind Farms. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2018</b> , 23, 48-56	5.5	13
159	Dynamic Modeling and Controller Design for a Novel Front-End Speed Regulation (FESR) Wind Turbine. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 4073-4087	7.2	14
158	Fault-Tolerant Control of Multiarea Power Systems via a Sliding-Mode Observer Technique. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2018</b> , 23, 38-47	5.5	32
157	Leader-following control of high-order multi-agent systems under directed graphs: Pre-specified finite time approach. <i>Automatica</i> , <b>2018</b> , 87, 113-120	5.7	88
156	Computational modeling of spiking neural network with learning rules from STDP and intrinsic plasticity. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2018</b> , 491, 716-728	3.3	12
155	Accelerated neuroadaptive tracking control of strict-feedback nonlinear systems without precise knowledge of target trajectory. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2018</b> , 32, 27-49	2.8	7
154	Data-driven predictive control of HammersteinWiener systems based on subspace identification. <i>Information Sciences</i> , <b>2018</b> , 422, 447-461	7.7	16
153	Robust Adaptive Fault-Tolerant Control of Mobile Robots With Varying Center of Mass. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 2419-2428	8.9	25
152	Adaptive Fault-Tolerant Control of Wind Turbines With Guaranteed Transient Performance Considering Active Power Control of Wind Farms. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 3275-3285	8.9	30
151	Hierarchical Decentralized Optimization Architecture for Economic Dispatch: A New Approach for Large-Scale Power System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 523-534	11.9	41
150	Second-Order Sliding-Mode Controlled Three-Level Buck DCDC Converters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 898-906	8.9	24
149	$L_2$ Output Feedback Controller Design for Fuzzy Systems Over Switching Parameters. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 3755-3769	8.3	16
148	Regulation of Non-Minimum-Phase Nonlinear Systems Using Slow Integrators <b>2018</b> ,		2
147	Distributed Adaptive Finite-Time Approach for Formation-Containment Control of Networked Nonlinear Systems Under Directed Topology. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 3164-3175	10.3	23
146	Distributed Subgradient-Based Multiagent Optimization With More General Step Sizes. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 2295-2302	5.9	20
145	Performance guaranteed tracking control of nonlinear systems under anomaly actuation: A neuro-adaptive fault-tolerant approach. <i>Neurocomputing</i> , <b>2018</b> , 275, 2170-2178	5.4	3
144	Prescribed Performance Control of Uncertain Euler-Lagrange Systems Subject to Full-State Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 3478-3489	10.3	113
143	Event- Triggered Adaptive Prescribed Performance Control for a Class of Uncertain Nonlinear Systems <b>2018</b> ,		5

142	Performance guaranteed fault control of uncertain constrained nonaffine systems under input quantization and actuation failures. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2018</b> , 32, 1629-1643	2.8	2
141	Tracking control of uncertain nonlinear systems with deferred asymmetric time-varying full state constraints. <i>Automatica</i> , <b>2018</b> , 98, 314-322	5.7	46
140	Bipartite output synchronization of heterogeneous multiagent systems on signed digraphs. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 4017-4031	3.6	13
139	. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 1-1	5.9	5
138	Bipartite output containment of general linear heterogeneous multi-agent systems on signed digraphs. <i>IET Control Theory and Applications</i> , <b>2018</b> , 12, 1180-1188	2.5	20
137	. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 481-487	5.9	75
136	Robust adaptive tracking control of an underactuated ship with guaranteed transient performance. <i>International Journal of Systems Science</i> , <b>2017</b> , 48, 272-279	2.3	31
135	Barrier Function-Based Neural Adaptive Control With Locally Weighted Learning and Finite Neuron Self-Growing Strategy. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 1439-1451	10.3	20
134	Distributed Fault-Tolerant Control of Networked Uncertain Euler-Lagrange Systems Under Actuator Faults. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 1706-1718	10.2	52
133	Fraction Dynamic-Surface-Based Neuroadaptive Finite-Time Containment Control of Multiagent Systems in Nonaffine Pure-Feedback Form. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 678-689	10.3	88
132	An Optimal Divisioning Technique to Stabilization Synthesis of T-S Fuzzy Delayed Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 1147-1156	10.2	41
131	A distributed hierarchical algorithm for multi-cluster constrained optimization. <i>Automatica</i> , <b>2017</b> , 77, 230-238	5.7	26
130	Output Containment Control of Linear Heterogeneous Multi-Agent Systems Using Internal Model Principle. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 2099-2109	10.2	79
129	Indirect neuroadaptive control of unknown MIMO systems tracking uncertain target under sensor failures. <i>Automatica</i> , <b>2017</b> , 77, 103-111	5.7	25
128	Tracking control of nonaffine systems using bio-inspired networks with auto-tuning activation functions and self-growing neurons. <i>Information Sciences</i> , <b>2017</b> , 388-389, 191-208	7.7	1
127	Robust Adaptive Fault-Tolerant PID Control of MIMO Nonlinear Systems With Unknown Control Direction. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 4876-4884	8.9	64
126	Liquid computing of spiking neural network with multi-clustered and active-neuron-dominant structure. <i>Neurocomputing</i> , <b>2017</b> , 243, 155-165	5.4	5
125	Event-Triggered Sliding-Mode Control for Multi-Area Power Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 6732-6741	8.9	94



124	Guest Editorial Special Issue on New Developments in Neural Network Structures for Signal Processing, Autonomous Decision, and Adaptive Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 494-499	10.3	6
123	Distributed average tracking for double-integrator multi-agent systems with reduced requirement on velocity measurements. <i>Automatica</i> , <b>2017</b> , 81, 1-7	5.7	30
122	Robust adaptive fault-tolerant control of nonlinear uncertain systems tracking uncertain target trajectory. <i>Information Sciences</i> , <b>2017</b> , 415-416, 446-460	7.7	9
121	Intelligent Localization of a High-Speed Train Using LSSVM and the Online Sparse Optimization Approach. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2017</b> , 18, 2071-2084	6.1	12
120	Neuroadaptive Power Tracking Control of Wind Farms Under Uncertain Power Demands. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 7071-7078	8.9	8
119	Neuro-Adaptive Fault-Tolerant Tracking Control of Lagrange Systems Pursuing Targets With Unknown Trajectory. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 3913-3920	8.9	31
118	Collectively Rotating Formation and Containment Deployment of Multiagent Systems: A Polar Coordinate-Based Finite Time Approach. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 2161-2172	10.2	21
117	Smooth Neuroadaptive PI Tracking Control of Nonlinear Systems With Unknown and Nonsmooth Actuation Characteristics. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 2183-2195	10.3	20
116	Adaptive fault-tolerant control for uncertain nonlinear system with guaranteed pre-described performance <b>2017</b> ,		1
115	Adaptive fault-tolerant control of MIMO nonlinear systems <b>2017</b> ,		1
114	A unified approach to output synchronization of heterogeneous multi-agent systems via L2-gain design. <i>Control Theory and Technology</i> , <b>2017</b> , 15, 340-353	1	6
113	Accelerated adaptive control of nonlinear uncertain systems <b>2017</b> ,		14
112	Smooth control design for adaptive leader-following consensus control of a class of high-order nonlinear systems with time-varying reference. <i>Automatica</i> , <b>2017</b> , 83, 361-367	5.7	60
111	Time-varying feedback for regulation of normal-form nonlinear systems in prescribed finite time. <i>Automatica</i> , <b>2017</b> , 83, 243-251	5.7	194
110	Switched control of repeated scalar non-linear systems via sliding mode control technique. <i>IET Control Theory and Applications</i> , <b>2017</b> , 11, 1088-1097	2.5	3
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108	Adaptive Control With Exponential Regulation in the Absence of Persistent Excitation. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 2589-2596	5.9	42
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104	Neuro Adaptive Control of Asymmetrically Driven Mobile Robots with Uncertainties. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 109-117	0.9	
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100	Model-independent approach for short-term electric load forecasting with guaranteed error convergence. <i>IET Control Theory and Applications</i> , <b>2016</b> , 10, 1365-1373	2.5	6
99	Neuroadaptive Variable Speed Control of Wind Turbine With Wind Speed Estimation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 7754-7764	8.9	24
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96	Self-organizing Neural adaptive tracking control of high speed trains subject to unexpected traction-breaking failures <b>2016</b> ,		1
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65	Descriptor observer based approach for adaptive reconstruction of measurement noises and sensor faults in uncertain nonlinear systems <b>2015</b> ,		3
64	Distributed adaptive consensus control of heterogeneous multi-agent chaotic systems with unknown time delays. <i>IET Control Theory and Applications</i> , <b>2015</b> , 9, 2414-2422	2.5	23
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