Tong Wang

List of Publications by Citations

49 papers	2,609 citations	20 h-index	51 g-index
66 ext. papers	3,104 ext. citations	5.8 avg, IF	6.05 L-index

#	Paper	IF	Citations
49	A Combined Adaptive Neural Network and Nonlinear Model Predictive Control for Multirate Networked Industrial Process Control. *IEEE Transactions on Neural Networks and Learning Systems*, **2016**, 27, 416-25	10.3	419
48	Observer-Based Fuzzy Adaptive Event-Triggered Control for Pure-Feedback Nonlinear Systems With Prescribed Performance. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 2152-2162	8.3	309
47	Fuzzy Adaptive Actuator Failure Compensation Control of Uncertain Stochastic Nonlinear Systems With Unmodeled Dynamics. *IEEE Transactions on Fuzzy Systems*, **2014**, 22, 563-574	8.3	267
46	Adaptive Fuzzy Control for Nontriangular Structural Stochastic Switched Nonlinear Systems With Full State Constraints. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 1587-1601	8.3	232
45	Adaptive Fuzzy Backstepping Control for A Class of Nonlinear Systems With Sampled and Delayed Measurements. *IEEE Transactions on Fuzzy Systems*, **2015**, 23, 302-312	8.3	197
44	A Combined Backstepping and Stochastic Small-Gain Approach to Robust Adaptive Fuzzy Output Feedback Control. *IEEE Transactions on Fuzzy Systems*, **2013**, 21, 314-327	8.3	186
43	Adaptive neural network output feedback control for stochastic nonlinear systems with unknown dead-zone and unmodeled dynamics. *IEEE Transactions on Cybernetics*, **2014**, 44, 910-21	10.2	145
42	Performance-Based Adaptive Fuzzy Tracking Control for Networked Industrial Processes. *IEEE Transactions on Cybernetics*, **2016**, 46, 1760-70	10.2	102
41	Adaptive Neural Control of Stochastic Nonlinear Time-Delay Systems With Multiple Constraints. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 1875-1883	7.3	93
40	Network-Based Fuzzy Control for Nonlinear Industrial Processes With Predictive Compensation Strategy. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 2137-2147	7.3	88
39	Distributed Fuzzy $H_{infty }$ Filtering for Nonlinear Multirate Networked Double-Layer Industrial Processes. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 5203-5211	8.9	68
38	Filtering for Switched T-S Fuzzy Systems With Persistent Dwell Time. *IEEE Transactions on Cybernetics*, **2019**, 49, 1923-1931	10.2	61
37	Adaptive Fuzzy Tracking Control for a Class of Strict-Feedback Nonlinear Systems With Time-Varying Input Delay and Full State Constraints. *IEEE Transactions on Fuzzy Systems*, **2020**, 28, 3432-3441	8.3	51
36	A Combined Fault-Tolerant and Predictive Control for Network-Based Industrial Processes. *IEEE Transactions on Industrial Electronics*, **2016**, 1-1	8.9	50
35	Data-Based Optimal Control for Networked Double-Layer Industrial Processes. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 4179-4186	8.9	50
34	Improved Stability Criteria for Discrete-Time Switched T S Fuzzy Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 712-720	7.3	30
33	Barrier Lyapunov Function-Based Adaptive Fault-Tolerant Control for a Class of Strict-Feedback Stochastic Nonlinear Systems. *IEEE Transactions on Cybernetics*, **2021**, 51, 938-946	10.2	24

32	Robust adaptive fuzzy output feedback control for stochastic nonlinear systems with unknown control direction. *Neurocomputing*, **2013**, 106, 31-41	5.4	23
31	Adaptive Fuzzy Decentralized Tracking Control for Large-Scale Interconnected Nonlinear Networked Control Systems. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	20
30	Event-Triggered Adaptive Fuzzy Tracking Control for Pure-Feedback Stochastic Nonlinear Systems With Multiple Constraints. *IEEE Transactions on Fuzzy Systems*, **2021**, 29, 1496-1506	8.3	20
29	Adaptive neural network output feedback control of stochastic nonlinear systems with dynamical uncertainties. *Neural Computing and Applications*, **2013**, 23, 1481-1494	4.8	19
28	Robust adaptive fuzzy control for a class of stochastic nonlinear systems with dynamical uncertainties. *Journal of the Franklin Institute*, **2012**, 349, 3121-3141	4	18
27	Robust adaptive decentralized fuzzy control for stochastic large-scale nonlinear systems with dynamical uncertainties. *Neurocomputing*, **2012**, 97, 33-43	5.4	15
26	Dynamic event-triggered actuator fault estimation and accommodation for dynamical systems. *Information Sciences*, **2020**, 525, 119-133	7.7	13
25	Adaptive neural fault-tolerant control for a class of strict-feedback nonlinear systems with actuator and sensor faults. *Neurocomputing*, **2020**, 380, 87-94	5.4	12
24	Disturbance Observer-Based Adaptive Fuzzy Control for Strict-Feedback Nonlinear Systems with Finite-Time Prescribed Performance. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	12
23	Adaptive tracking control for quantized nonlinear systems via backstepping design technique. *Journal of the Franklin Institute*, **2018**, 355, 2631-2644	4	11
22	Event-Triggered Adaptive Fuzzy Fault-Tolerant Control for Stochastic Nonlinear Systems via Command Filtering. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-11	7.3	10
21	Simultaneous fault detection and control for uncertain discrete-time stochastic systems with limited communication. *Journal of the Franklin Institute*, **2017**, 354, 7794-7811	4	9
20	Adaptive Fuzzy Finite-Time Tracking Control of Stochastic High-Order Nonlinear Systems With A Class of Prescribed Performance. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	9
19	Fault detection of nonlinear stochastic systems via a dynamic event-triggered strategy. *Signal Processing*, **2020**, 167, 107283	4.4	9
18	Adaptive Fuzzy Decentralized Control for Nonstrict Feedback Nonlinear Systems With Unmodeled Dynamics. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-12	7.3	5
17	H_/HIfault detection filter design for discrete-time stochastic systems with limited communication. *Transactions of the Institute of Measurement and Control*, **2019**, 41, 3808-3817	1.8	4
16	Barrier Lyapunov-based Adaptive Fuzzy Finite-Time Tracking of Pure-feedback Nonlinear Systems With Constraints. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	4
15	Fuzzy Adaptive Decentralized Control for Nonstrict-Feedback Large-Scale Switched Fractional-Order Nonlinear Systems. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	4

14	Event-triggered fault detection filter design for uncertain stochastic systems with package dropouts. *Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering*, **2019**, 233, 1351-1360	1	3
13	Fault-tolerant Control Based on Fixed-time Observer for a 3-DOF Helicopter System. *International Journal of Control, Automation and Systems*, **2020**, 18, 2993-3000	2.9	3
12	Gradient Descent-Based Adaptive Learning Control for Autonomous Underwater Vehicles With Unknown Uncertainties. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 5266-5273	10.3	3
11	Adaptive Fuzzy Risk-Sensitive Control for Stochastic Strict-Feedback Nonlinear Systems with Unknown Uncertainties. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	2
10	A simplified adaptive tracking control for nonlinear pure-feedback systems with input delay and full-state constraints. *International Journal of Adaptive Control and Signal Processing*,	2.8	2
9	Multirate output feedback control for complex industrial processes in double-layer network environment with RBF performance index **2014**,		1
8	Robustness of Itô stochastic nonlinear networked control systems **2017**,		1
7	Setpoints compensation for nonlinear industrial processes with disturbances based on fuzzy logic control **2014**,		1
6	Optimal Tracking Control For A Two-link Robotic Manipulator Via Adaptive Dynamic Programming **2020**,		1
5	Decentralized optimal tracking control for large-scale nonlinear systems with tracking error constraints. *International Journal of Adaptive Control and Signal Processing*, **2021**, 35, 1388-1403	2.8	1
4	PDE-Based Leader-Following Consensus of Multi-Agent Systems with Input Delay under Spatial Boundary Communication. *IFAC-PapersOnLine*, **2021**, 54, 181-185	0.7	0
3	Neural-network-based fault-tolerant control for nonlinear systems subjected to faults and saturations. *Journal of the Franklin Institute*, **2021**, 358, 4705-4720	4	0
2	Adaptive neural network-based fault-tolerant control for a three degrees of freedom helicopter. *International Journal of Control*,1-17	1.5	0
1	Fuzzy-Based Tracking Control for a Class of Fractional-Order Systems with Time Delays. *Mathematics*, **2022**, 10, 1884	2.3	0