

# Shao-Cheng Tong

## List of Publications by Citations

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93  
papers

7,183  
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35  
h-index

84  
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113  
ext. papers

8,134  
ext. citations

4.8  
avg, IF

6.71  
L-index

#	Paper	IF	Citations
93	Observer-Based Adaptive Decentralized Fuzzy Fault-Tolerant Control of Nonlinear Large-Scale Systems With Actuator Failures. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2014</b> , 22, 1-15	8.3	427
92	Observed-Based Adaptive Fuzzy Decentralized Tracking Control for Switched Uncertain Nonlinear Large-Scale Systems With Dead Zones. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2016</b> , 46, 37-47	7.3	408
91	Fuzzy Adaptive Output Feedback Control of MIMO Nonlinear Systems With Partial Tracking Errors Constrained. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2015</b> , 23, 729-742	8.3	388
90	Observer-Based Adaptive Fuzzy Tracking Control of MIMO Stochastic Nonlinear Systems With Unknown Control Directions and Unknown Dead Zones. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2015</b> , 23, 1228-1241	8.3	374
89	Adaptive Fuzzy Output Feedback Tracking Backstepping Control of Strict-Feedback Nonlinear Systems With Unknown Dead Zones. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2012</b> , 20, 168-180	8.3	359
88	Fuzzy-Adaptive Decentralized Output-Feedback Control for Large-Scale Nonlinear Systems With Dynamical Uncertainties. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2010</b> , 18, 845-861	8.3	353
87	A Combined Backstepping and Small-Gain Approach to Robust Adaptive Fuzzy Output Feedback Control. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2009</b> , 17, 1059-1069	8.3	342
86	Hybrid Fuzzy Adaptive Output Feedback Control Design for Uncertain MIMO Nonlinear Systems With Time-Varying Delays and Input Saturation. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2016</b> , 24, 841-853	8.3	325
85	Adaptive Fuzzy Output Feedback Control of MIMO Nonlinear Systems With Unknown Dead-Zone Inputs. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2013</b> , 21, 134-146	8.3	285
84	Observer-Based Adaptive Fuzzy Backstepping Output Feedback Control of Uncertain MIMO Pure-Feedback Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2012</b> , 20, 771-785	8.3	283
83	Fuzzy adaptive sliding-mode control for MIMO nonlinear systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2003</b> , 11, 354-360	8.3	273
82	Fuzzy Adaptive Actuator Failure Compensation Control of Uncertain Stochastic Nonlinear Systems With Unmodeled Dynamics. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2014</b> , 22, 563-574	8.3	267
81	A Novel Robust Adaptive-Fuzzy-Tracking Control for a Class of Nonlinear Multi-Input/Multi-Output Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2010</b> , 18, 150-160	8.3	240
80	Robust Adaptive Tracking Control for Nonlinear Systems Based on Bounds of Fuzzy Approximation Parameters. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2010</b> , 40, 170-184		239
79	A hybrid adaptive fuzzy control for a class of nonlinear MIMO systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2003</b> , 11, 24-34	8.3	209
78	Adaptive Fuzzy Robust Output Feedback Control of Nonlinear Systems With Unknown Dead Zones Based on a Small-Gain Approach. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2014</b> , 22, 164-176	8.3	208
77	Adaptive Fuzzy Output Tracking Control of MIMO Nonlinear Uncertain Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2007</b> , 15, 287-300	8.3	193

76	A Combined Backstepping and Stochastic Small-Gain Approach to Robust Adaptive Fuzzy Output Feedback Control. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2013</b> , 21, 314-327	8.3	186
75	Adaptive Fuzzy Output-Feedback Control of Pure-Feedback Uncertain Nonlinear Systems With Unknown Dead Zone. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2014</b> , 22, 1341-1347	8.3	123
74	Adaptive fuzzy decentralized control for a class of large-scale nonlinear systems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2004</b> , 34, 770-5		115
73	Robust adaptive fuzzy backstepping output feedback tracking control for nonlinear system with dynamic uncertainties. <i>Science China Information Sciences</i> , <b>2010</b> , 53, 307-324	3.4	108
72	Observer-based adaptive fuzzy backstepping control of uncertain nonlinear pure-feedback systems. <i>Science China Information Sciences</i> , <b>2014</b> , 57, 1-14	3.4	105
71	Observer-Based Stabilization of TB Fuzzy Systems With Input Delay. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2008</b> , 16, 652-663	8.3	89
70	Observer-Based Adaptive Fuzzy Control for Switched Stochastic Nonlinear Systems With Partial Tracking Errors Constrained. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2016</b> , 46, 1605-1617	7.3	70
69	Direct adaptive fuzzy backstepping control of uncertain nonlinear systems in the presence of input saturation. <i>Neural Computing and Applications</i> , <b>2013</b> , 23, 1207-1216	4.8	66
68	Adaptive Fuzzy Decentralized Output Feedback Control for Nonlinear Large-Scale Systems With Unknown Dead-Zone Inputs. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2013</b> , 21, 913-925	8.3	65
67	Adaptive Fuzzy Decentralized Output Stabilization for Stochastic Nonlinear Large-Scale Systems With Unknown Control Directions. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2014</b> , 22, 1365-1372	8.3	62
66	Adaptive fuzzy decentralized control for large-scale nonlinear systems with time-varying delays and unknown high-frequency gain sign. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2011</b> , 41, 474-85		58
65	Prescribed performance fuzzy adaptive fault-tolerant control of non-linear systems with actuator faults. <i>IET Control Theory and Applications</i> , <b>2014</b> , 8, 420-431	2.5	57
64	Adaptive Fuzzy Containment Control of Nonlinear Strict-Feedback Systems With Full State Constraints. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 2024-2038	8.3	49
63	Adaptive fuzzy decentralized output feedback control for stochastic nonlinear large-scale systems using DSC technique. <i>International Journal of Robust and Nonlinear Control</i> , <b>2013</b> , 23, 381-399	3.6	47
62	Adaptive Neural Network Finite-Time Control for Multi-Input and Multi-Output Nonlinear Systems With Positive Powers of Odd Rational Numbers. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 2532-2543	10.3	46
61	Adaptive neural network tracking control for a class of non-linear systems. <i>International Journal of Systems Science</i> , <b>2010</b> , 41, 143-158	2.3	41
60	Adaptive fuzzy backstepping output feedback control for a class of MIMO time-delay nonlinear systems based on high-gain observer. <i>Nonlinear Dynamics</i> , <b>2012</b> , 67, 1175-1191	5	40
59	Observer-based adaptive fuzzy backstepping dynamic surface control design and stability analysis for MIMO stochastic nonlinear systems. <i>Nonlinear Dynamics</i> , <b>2012</b> , 69, 1333-1349	5	36

58	Observer-based direct adaptive fuzzy control of uncertain nonlinear systems and its applications. <i>International Journal of Control, Automation and Systems</i> , <b>2009</b> , 7, 681-690	2.9	32
57	Observer-Based Adaptive Fuzzy Containment Control for Multiple Uncertain Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 2079-2089	8.3	31
56	Adaptive fuzzy fault-tolerant output feedback control of uncertain nonlinear systems with actuator faults. <i>International Journal of Systems Science</i> , <b>2013</b> , 44, 2365-2376	2.3	30
55	Fuzzy adaptive dynamic surface control for a single-link flexible-joint robot. <i>Nonlinear Dynamics</i> , <b>2012</b> , 70, 2035-2048	5	29
54	Adaptive fuzzy output feedback backstepping control of pure-feedback nonlinear systems via dynamic surface control technique. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2013</b> , 27, 541-561	2.8	25
53	Guaranteed cost control of T $\Sigma$ fuzzy systems with input delay. <i>International Journal of Robust and Nonlinear Control</i> , <b>2008</b> , 18, 1230-1256	3.6	25
52	Adaptive fuzzy output feedback decentralized control of pure-feedback nonlinear large-scale systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2014</b> , 24, 930-954	3.6	23
51	Fuzzy adaptive high-gain-based observer backstepping control for SISO nonlinear systems with dynamical uncertainties. <i>Nonlinear Dynamics</i> , <b>2012</b> , 67, 941-955	5	23
50	Adaptive fuzzy backstepping output feedback control for a class of uncertain stochastic nonlinear system in pure-feedback form. <i>Neurocomputing</i> , <b>2013</b> , 122, 126-133	5.4	20
49	Prescribed performance adaptive fuzzy output-feedback control of uncertain nonlinear systems with unmodeled dynamics. <i>Nonlinear Dynamics</i> , <b>2014</b> , 77, 1653-1665	5	19
48	Observer-based adaptive fuzzy backstepping control of MIMO stochastic nonlinear strict-feedback systems. <i>Nonlinear Dynamics</i> , <b>2012</b> , 67, 1579-1593	5	19
47	Adaptive neural network output feedback control of stochastic nonlinear systems with dynamical uncertainties. <i>Neural Computing and Applications</i> , <b>2013</b> , 23, 1481-1494	4.8	19
46	Adaptive fuzzy output feedback tracking control with prescribed performance for chemical reactor of MIMO nonlinear systems. <i>Nonlinear Dynamics</i> , <b>2015</b> , 80, 945-957	5	19
45	Adaptive fuzzy observer backstepping control for a class of uncertain nonlinear systems with unknown time-delay. <i>International Journal of Automation and Computing</i> , <b>2010</b> , 7, 236-246	3.5	19
44	Adaptive fuzzy fault-tolerant control of static var compensator based on dynamic surface control technique. <i>Nonlinear Dynamics</i> , <b>2013</b> , 73, 2013-2023	5	17
43	Adaptive fuzzy backstepping output feedback control of nonlinear uncertain time-delay systems based on high-gain filters. <i>Nonlinear Dynamics</i> , <b>2012</b> , 69, 781-792	5	15
42	Adaptive fuzzy controller design with observer for a class of uncertain nonlinear MIMO systems. <i>Asian Journal of Control</i> , <b>2011</b> , 13, 868-877	1.7	15
41	Adaptive fuzzy decentralized control for nonlinear large-scale systems based on high-gain observer. <i>Science China Information Sciences</i> , <b>2012</b> , 55, 228-242	3.4	14

40	Adaptive fuzzy modular backstepping output feedback control of uncertain nonlinear systems in the presence of input saturation. <i>International Journal of Machine Learning and Cybernetics</i> , <b>2013</b> , 4, 527-536	3.8	14
39	Adaptive fuzzy decentralised fault-tolerant control for nonlinear large-scale systems with actuator failures and unmodelled dynamics. <i>International Journal of Systems Science</i> , <b>2015</b> , 46, 2195-2209	2.3	14
38	Adaptive fuzzy backstepping control of static var compensator based on state observer. <i>Nonlinear Dynamics</i> , <b>2013</b> , 73, 133-142	5	14
37	Composite Adaptive Fuzzy Output Feedback Dynamic Surface Control Design for Uncertain Nonlinear Stochastic Systems with Input Quantization. <i>International Journal of Fuzzy Systems</i> , <b>2015</b> , 17, 609-622	3.6	13
36	Adaptive fuzzy backstepping control for a class of switched nonlinear systems with actuator faults. <i>International Journal of Systems Science</i> , <b>2016</b> , 47, 3581-3590	2.3	12
35	Adaptive backstepping output feedback control for SISO nonlinear system using fuzzy neural networks. <i>International Journal of Automation and Computing</i> , <b>2009</b> , 6, 145-153	3.5	12
34	Fuzzy Adaptive Finite Time Fault-tolerant Control for Multi-input and Multi-output Nonlinear Systems with Actuator Faults. <i>International Journal of Control, Automation and Systems</i> , <b>2019</b> , 17, 1655-1685	2.9	11
33	Fuzzy Adaptive Backstepping Decentralized Control for Switched Nonlinear Large-Scale Systems with Switching Jumps. <i>International Journal of Fuzzy Systems</i> , <b>2015</b> , 17, 12-21	3.6	11
32	Adaptive fuzzy backstepping output feedback control of nonlinear time-delay systems with unknown high-frequency gain sign. <i>International Journal of Automation and Computing</i> , <b>2011</b> , 8, 14-22	3.5	11
31	Adaptive output feedback fault-tolerant control for MIMO non-affine non-linear systems based on disturbance observer. <i>IET Control Theory and Applications</i> , <b>2016</b> , 10, 2422-2436	2.5	10
30	Adaptive Fuzzy Control for Nonlinear Time-Delay Systems with Dynamical Uncertainties. <i>Asian Journal of Control</i> , <b>2012</b> , 14, 1589-1598	1.7	10
29	Adaptive Fuzzy Event-Triggered Control for LeaderFollowing Consensus of High-Order Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 28, 2389-2400	8.3	10
28	Adaptive fuzzy switched control design for uncertain nonholonomic systems with input nonsmooth constraint. <i>International Journal of Systems Science</i> , <b>2016</b> , 47, 3436-3446	2.3	9
27	Observer-based adaptive fuzzy fault-tolerant output feedback control of uncertain nonlinear systems with actuator faults. <i>International Journal of Control, Automation and Systems</i> , <b>2012</b> , 10, 1119-1128	2.8	9
26	Comments on "Direct adaptive fuzzy-neural control with state observer and supervisory controller for unknown nonlinear dynamical systems". <i>IEEE Transactions on Fuzzy Systems</i> , <b>2003</b> , 11, 703-705	8.3	9
25	Robust Fuzzy Adaptive Finite-Time Control for High-Order Nonlinear Systems With Unmodeled Dynamics. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 1576-1589	8.3	9
24	Neural Network Adaptive Output-Feedback Optimal Control for Active Suspension Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-12	7.3	8
23	Observer-based fuzzy adaptive fault control for a class of MIMO nonlinear systems. <i>International Journal of Systems Science</i> , <b>2017</b> , 48, 1331-1346	2.3	7

22	Indirect Adaptive Fuzzy Backstepping Control for Nonlinear Systems <b>2006</b> ,		7
21	Finite-Time Adaptive Fuzzy Prescribed Performance Control for High-Order Stochastic Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	7
20	Fuzzy Adaptive Practical Finite-Time Control for Time Delays Nonlinear Systems. <i>International Journal of Fuzzy Systems</i> , <b>2019</b> , 21, 1013-1025	3.6	6
19	Adaptive fuzzy output feedback control of nonlinear uncertain systems with unknown backlash-like hysteresis based on modular design. <i>Neural Computing and Applications</i> , <b>2013</b> , 23, 261-270	4.8	6
18	Adaptive fuzzy decentralised output feedback control of pure-feedback large-scale stochastic non-linear systems with unknown dead zone. <i>IET Control Theory and Applications</i> , <b>2014</b> , 8, 488-502	2.5	6
17	Observer-Based Output-Feedback Control Design for a Class of Nonlinear Switched TS Fuzzy Systems with Actuator Saturation and Time Delay. <i>International Journal of Fuzzy Systems</i> , <b>2017</b> , 19, 1333-1343	3.6	5
16	Combined adaptive fuzzy control for uncertain MIMO nonlinear systems <b>2009</b> ,		4
15	Output-Feedback Control Design for a Class of Switched Stochastic Nonlinear Systems with Input Delay. <i>Circuits, Systems, and Signal Processing</i> , <b>2017</b> , 36, 3182-3205	2.2	2
14	Event-Triggered Control for Networked Switched Fuzzy Time-Delay Systems with Saturated Inputs. <i>International Journal of Fuzzy Systems</i> , <b>2019</b> , 21, 1455-1466	3.6	2
13	Adaptive fuzzy backstepping decentralized control for nonlinear large-scale systems based on DSC technique and high-gain filters <b>2012</b> ,		2
12	Adaptive fuzzy decentralised control for stochastic nonlinear large-scale systems in pure-feedback form. <i>International Journal of Systems Science</i> , <b>2013</b> , 1-15	2.3	2
11	Fault Tolerant Control of a Class of Unknown Multivariable Nonlinear Systems Using Fuzzy Approximation <b>2007</b> ,		2
10	An Observer-Based Robust Fuzzy Stabilization Control Design for Switched Nonlinear Systems with Immeasurable Premise Variables. <i>International Journal of Fuzzy Systems</i> , <b>2016</b> , 18, 1019-1030	3.6	2
9	Observer-based fuzzy adaptive control of nonlinear systems with actuator faults and unmodeled dynamics. <i>Neural Computing and Applications</i> , <b>2013</b> , 23, 391-405	4.8	1
8	Adaptive fuzzy neural networks control for switched nonlinear systems <b>2014</b> ,		1
7	Adaptive fuzzy backstepping dynamic surface control of uncertain nonlinear systems based on filters <b>2012</b> ,		1
6	Adaptive Fuzzy Fault-Tolerant Control for Uncertain Nonlinear Systems <b>2008</b> ,		1
5	Decentralized Control for Discrete-Time Fuzzy Time-Delay Interconnected Systems		1

- 4 Decentralized Fuzzy Model Reference H<sub>∞</sub> Tracking Control for Nonlinear Large-Scale Systems **2006**, 1
- 3 Prescribed Performance Fuzzy Adaptive Output-Feedback Control for Nonlinear Stochastic Systems. *Abstract and Applied Analysis*, **2014**, 2014, 1-9 0.7
- 2 Adaptive Fuzzy Fault-Tolerant Output Feedback Tracking Control of Uncertain Stochastic Nonlinear Systems with Unknown Time-Delay and Tracking Error Constrained. *Journal of Applied Mathematics*, **2014**, 2014, 1-11 1.1
- 1 AuthorsWepley [fuzzy adaptive sliding-mode control for MIMO nonlinear systems]. *IEEE Transactions on Fuzzy Systems*, **2006**, 14, 479 8.3