

Shao-Cheng Tong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1171804/publications.pdf>

Version: 2024-02-01

113
papers

8,793
citations

81839

39
h-index

60583

81
g-index

113
all docs

113
docs citations

113
times ranked

3052
citing authors

#	ARTICLE	IF	CITATIONS
1	Observer-Based Adaptive Decentralized Fuzzy Fault-Tolerant Control of Nonlinear Large-Scale Systems With Actuator Failures. IEEE Transactions on Fuzzy Systems, 2014, 22, 1-15.	6.5	508
2	Fuzzy Adaptive Output Feedback Control of MIMO Nonlinear Systems With Partial Tracking Errors Constrained. IEEE Transactions on Fuzzy Systems, 2015, 23, 729-742.	6.5	482
3	Observed-Based Adaptive Fuzzy Decentralized Tracking Control for Switched Uncertain Nonlinear Large-Scale Systems With Dead Zones. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 37-47.	5.9	477
4	Fuzzy-Adaptive Decentralized Output-Feedback Control for Large-Scale Nonlinear Systems With Dynamical Uncertainties. IEEE Transactions on Fuzzy Systems, 2010, 18, 845-861.	6.5	431
5	Observer-Based Adaptive Fuzzy Tracking Control of MIMO Stochastic Nonlinear Systems With Unknown Control Directions and Unknown Dead Zones. IEEE Transactions on Fuzzy Systems, 2015, 23, 1228-1241.	6.5	427
6	Adaptive Fuzzy Output Feedback Tracking Backstepping Control of Strict-Feedback Nonlinear Systems With Unknown Dead Zones. IEEE Transactions on Fuzzy Systems, 2012, 20, 168-180.	6.5	419
7	A Combined Backstepping and Small-Gain Approach to Robust Adaptive Fuzzy Output Feedback Control. IEEE Transactions on Fuzzy Systems, 2009, 17, 1059-1069.	6.5	383
8	Hybrid Fuzzy Adaptive Output Feedback Control Design for Uncertain MIMO Nonlinear Systems With Time-Varying Delays and Input Saturation. IEEE Transactions on Fuzzy Systems, 2016, 24, 841-853.	6.5	363
9	Adaptive Fuzzy Output Feedback Control of MIMO Nonlinear Systems With Unknown Dead-Zone Inputs. IEEE Transactions on Fuzzy Systems, 2013, 21, 134-146.	6.5	336
10	Observer-Based Adaptive Fuzzy Backstepping Output Feedback Control of Uncertain MIMO Pure-Feedback Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2012, 20, 771-785.	6.5	334
11	Fuzzy adaptive sliding-mode control for mimo nonlinear systems. IEEE Transactions on Fuzzy Systems, 2003, 11, 354-360.	6.5	325
12	Fuzzy Adaptive Actuator Failure Compensation Control of Uncertain Stochastic Nonlinear Systems With Unmodeled Dynamics. IEEE Transactions on Fuzzy Systems, 2014, 22, 563-574.	6.5	304
13	Robust Adaptive Tracking Control for Nonlinear Systems Based on Bounds of Fuzzy Approximation Parameters. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2010, 40, 170-184.	3.4	276
14	A hybrid adaptive fuzzy control for a class of nonlinear MIMO systems. IEEE Transactions on Fuzzy Systems, 2003, 11, 24-34.	6.5	273
15	A Novel Robust Adaptive-Fuzzy-Tracking Control for a Class of Nonlinear Multi-Input/Multi-Output Systems. IEEE Transactions on Fuzzy Systems, 2010, 18, 150-160.	6.5	272
16	Adaptive Fuzzy Output Tracking Control of MIMO Nonlinear Uncertain Systems. IEEE Transactions on Fuzzy Systems, 2007, 15, 287-300.	6.5	245
17	Adaptive Fuzzy Robust Output Feedback Control of Nonlinear Systems With Unknown Dead Zones Based on a Small-Gain Approach. IEEE Transactions on Fuzzy Systems, 2014, 22, 164-176.	6.5	234
18	A Combined Backstepping and Stochastic Small-Gain Approach to Robust Adaptive Fuzzy Output Feedback Control. IEEE Transactions on Fuzzy Systems, 2013, 21, 314-327.	6.5	213

#	ARTICLE	IF	CITATIONS
19	Adaptive Fuzzy Output-Feedback Control of Pure-Feedback Uncertain Nonlinear Systems With Unknown Dead Zone. IEEE Transactions on Fuzzy Systems, 2014, 22, 1341-1347.	6.5	155
20	Adaptive Fuzzy Decentralized Control for a Class of Large-Scale Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 770-775.	5.5	137
21	Observer-based adaptive fuzzy backstepping control of uncertain nonlinear pure-feedback systems. Science China Information Sciences, 2014, 57, 1-14.	2.7	131
22	Robust adaptive fuzzy backstepping output feedback tracking control for nonlinear system with dynamic uncertainties. Science China Information Sciences, 2010, 53, 307-324.	2.7	129
23	Observer-Based Stabilization of T&S Fuzzy Systems With Input Delay. IEEE Transactions on Fuzzy Systems, 2008, 16, 652-663.	6.5	115
24	Direct adaptive fuzzy backstepping control of uncertain nonlinear systems in the presence of input saturation. Neural Computing and Applications, 2013, 23, 1207-1216.	3.2	89
25	Observer-Based Adaptive Fuzzy Control for Switched Stochastic Nonlinear Systems With Partial Tracking Errors Constrained. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1605-1617.	5.9	89
26	Adaptive Fuzzy Decentralized Output Stabilization for Stochastic Nonlinear Large-Scale Systems With Unknown Control Directions. IEEE Transactions on Fuzzy Systems, 2014, 22, 1365-1372.	6.5	86
27	Adaptive Fuzzy Containment Control of Nonlinear Strict-Feedback Systems With Full State Constraints. IEEE Transactions on Fuzzy Systems, 2019, 27, 2024-2038.	6.5	78
28	Adaptive Fuzzy Decentralized Output Feedback Control for Nonlinear Large-Scale Systems With Unknown Dead-Zone Inputs. IEEE Transactions on Fuzzy Systems, 2013, 21, 913-925.	6.5	75
29	Prescribed performance fuzzy adaptive fault-tolerant control of nonlinear systems with actuator faults. IET Control Theory and Applications, 2014, 8, 420-431.	1.2	75
30	Adaptive Fuzzy Decentralized Control for Large-Scale Nonlinear Systems With Time-Varying Delays and Unknown High-Frequency Gain Sign. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 474-485.	5.5	74
31	Adaptive Neural Network Finite-Time Control for Multi-Input and Multi-Output Nonlinear Systems With Positive Powers of Odd Rational Numbers. IEEE Transactions on Neural Networks and Learning Systems, 2019, 31, 1-12.	7.2	66
32	Observer-Based Adaptive Fuzzy Containment Control for Multiple Uncertain Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2019, 27, 2079-2089.	6.5	65
33	Adaptive fuzzy decentralized output feedback control for stochastic nonlinear large-scale systems using DSC technique. International Journal of Robust and Nonlinear Control, 2013, 23, 381-399.	2.1	63
34	Fuzzy adaptive dynamic surface control for a single-link flexible-joint robot. Nonlinear Dynamics, 2012, 70, 2035-2048.	2.7	49
35	Finite-Time Adaptive Fuzzy Prescribed Performance Control for High-Order Stochastic Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2022, 30, 2227-2240.	6.5	47
36	Adaptive fuzzy backstepping output feedback control for a class of MIMO time-delay nonlinear systems based on high-gain observer. Nonlinear Dynamics, 2012, 67, 1175-1191.	2.7	46

#	ARTICLE	IF	CITATIONS
37	Adaptive neural network tracking control for a class of non-linear systems. <i>International Journal of Systems Science</i> , 2010, 41, 143-158.	3.7	43
38	Robust Fuzzy Adaptive Finite-Time Control for High-Order Nonlinear Systems With Unmodeled Dynamics. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 1576-1589.	6.5	41
39	Observer-based direct adaptive fuzzy control of uncertain nonlinear systems and its applications. <i>International Journal of Control, Automation and Systems</i> , 2009, 7, 681-690.	1.6	40
40	Observer-based adaptive fuzzy backstepping dynamic surface control design and stability analysis for MIMO stochastic nonlinear systems. <i>Nonlinear Dynamics</i> , 2012, 69, 1333-1349.	2.7	40
41	Adaptive fuzzy fault-tolerant output feedback control of uncertain nonlinear systems with actuator faults. <i>International Journal of Systems Science</i> , 2013, 44, 2365-2376.	3.7	36
42	Adaptive fuzzy output feedback decentralized control of pure-feedback nonlinear large-scale systems. <i>International Journal of Robust and Nonlinear Control</i> , 2014, 24, 930-954.	2.1	35
43	Neural Network Adaptive Output-Feedback Optimal Control for Active Suspension Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 4021-4032.	5.9	34
44	Guaranteed cost control of T&S fuzzy systems with input delay. <i>International Journal of Robust and Nonlinear Control</i> , 2008, 18, 1230-1256.	2.1	29
45	Fuzzy adaptive high-gain-based observer backstepping control for SISO nonlinear systems with dynamical uncertainties. <i>Nonlinear Dynamics</i> , 2012, 67, 941-955.	2.7	28
46	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> , 2013, 27, 541-561.	2.3	28
47	Adaptive fuzzy backstepping output feedback control for a class of uncertain stochastic nonlinear system in pure-feedback form. <i>Neurocomputing</i> , 2013, 122, 126-133.	3.5	26
48	Adaptive Fuzzy Event-Triggered Control for Leader-Following Consensus of High-Order Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 2389-2400.	6.5	24
49	Adaptive neural network output feedback control of stochastic nonlinear systems with dynamical uncertainties. <i>Neural Computing and Applications</i> , 2013, 23, 1481-1494.	3.2	23
50	Prescribed performance adaptive fuzzy output-feedback control of uncertain nonlinear systems with unmodeled dynamics. <i>Nonlinear Dynamics</i> , 2014, 77, 1653-1665.	2.7	23
51	Adaptive fuzzy observer backstepping control for a class of uncertain nonlinear systems with unknown time-delay. <i>International Journal of Automation and Computing</i> , 2010, 7, 236-246.	4.5	22
52	Adaptive fuzzy fault-tolerant control of static var compensator based on dynamic surface control technique. <i>Nonlinear Dynamics</i> , 2013, 73, 2013-2023.	2.7	22
53	Adaptive fuzzy output feedback tracking control with prescribed performance for chemical reactor of MIMO nonlinear systems. <i>Nonlinear Dynamics</i> , 2015, 80, 945-957.	2.7	22
54	Observer-based adaptive fuzzy backstepping control of MIMO stochastic nonlinear strict-feedback systems. <i>Nonlinear Dynamics</i> , 2012, 67, 1579-1593.	2.7	21

#	ARTICLE	IF	CITATIONS
55	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> , 2013, 4, 527-536.	2.3	20
56	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> , 2019, 17, 1655-1665.	1.6	19
57	Indirect Adaptive Fuzzy Backstepping Control for Nonlinear Systems. , 2006, , .		17
58	Adaptive fuzzy controller design with observer for a class of uncertain nonlinear MIMO systems. <i>Asian Journal of Control</i> , 2011, 13, 868-877.	1.9	17
59	Adaptive Fuzzy Control for Nonlinear Time- Δ Delay Systems with Dynamical Uncertainties. <i>Asian Journal of Control</i> , 2012, 14, 1589-1598.	1.9	17
60	Composite Adaptive Fuzzy Output Feedback Dynamic Surface Control Design for Uncertain Nonlinear Stochastic Systems with Input Quantization. <i>International Journal of Fuzzy Systems</i> , 2015, 17, 609-622.	2.3	17
61	Adaptive fuzzy backstepping output feedback control of nonlinear uncertain time-delay systems based on high-gain filters. <i>Nonlinear Dynamics</i> , 2012, 69, 781-792.	2.7	16
62	Adaptive fuzzy decentralised fault-tolerant control for nonlinear large-scale systems with actuator failures and unmodelled dynamics. <i>International Journal of Systems Science</i> , 2015, 46, 2195-2209.	3.7	16
63	Adaptive fuzzy decentralized control for nonlinear large-scale systems based on high-gain observer. <i>Science China Information Sciences</i> , 2012, 55, 228-242.	2.7	15
64	Adaptive fuzzy backstepping control of static var compensator based on state observer. <i>Nonlinear Dynamics</i> , 2013, 73, 133-142.	2.7	15
65	Fuzzy Adaptive Backstepping Decentralized Control for Switched Nonlinear Large-Scale Systems with Switching Jumps. <i>International Journal of Fuzzy Systems</i> , 2015, 17, 12-21.	2.3	15
66	Adaptive fuzzy backstepping control for a class of switched nonlinear systems with actuator faults. <i>International Journal of Systems Science</i> , 2016, 47, 3581-3590.	3.7	15
67	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> , 2012, 10, 1119-1128.	1.6	14
68	Adaptive output feedback fault-tolerant control for MIMO non-affine nonlinear systems based on disturbance observer. <i>IET Control Theory and Applications</i> , 2016, 10, 2422-2436.	1.2	14
69	Fuzzy Adaptive Practical Finite-Time Control for Time Delays Nonlinear Systems. <i>International Journal of Fuzzy Systems</i> , 2019, 21, 1013-1025.	2.3	14
70	Adaptive backstepping output feedback control for SISO nonlinear system using fuzzy neural networks. <i>International Journal of Automation and Computing</i> , 2009, 6, 145-153.	4.5	13
71	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> , 2011, 8, 14-22.	4.5	13
72	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> , 2003, 11, 703-705.	6.5	12

#	ARTICLE	IF	CITATIONS
73	Adaptive fuzzy switched control design for uncertain nonholonomic systems with input nonsmooth constraint. <i>International Journal of Systems Science</i> , 2016, 47, 3436-3446.	3.7	11
74	Fuzzy Adaptive Consensus Control for Nonlinear Multiagent Systems With Intermittent Actuator Faults. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 2969-2979.	6.2	11
75	Observer-based fuzzy adaptive fault control for a class of MIMO nonlinear systems. <i>International Journal of Systems Science</i> , 2017, 48, 1331-1346.	3.7	9
76	Adaptive fuzzy decentralised output feedback control of pure-feedback large-scale stochastic nonlinear systems with unknown dead zone. <i>IET Control Theory and Applications</i> , 2014, 8, 488-502.	1.2	8
77	Observer-Based Output-Feedback Control Design for a Class of Nonlinear Switched Tâ€“S Fuzzy Systems with Actuator Saturation and Time Delay. <i>International Journal of Fuzzy Systems</i> , 2017, 19, 1333-1343.	2.3	8
78	Adaptive fuzzy output feedback control of nonlinear uncertain systems with unknown backlash-like hysteresis based on modular design. <i>Neural Computing and Applications</i> , 2013, 23, 261-270.	3.2	7
79	Event-Triggered Control for Networked Switched Fuzzy Time-Delay Systems with Saturated Inputs. <i>International Journal of Fuzzy Systems</i> , 2019, 21, 1455-1466.	2.3	7
80	Adaptive fuzzy output feedback control for nonlinear MIMO systems. , 0, , .		5
81	Combined adaptive fuzzy control for uncertain MIMO nonlinear systems. , 2009, , .		5
82	An Observer-Based Robust Fuzzy Stabilization Control Design for Switched Nonlinear Systems with Immeasurable Premise Variables. <i>International Journal of Fuzzy Systems</i> , 2016, 18, 1019-1030.	2.3	5
83	Observer-based fuzzy adaptive control of nonlinear systems with actuator faults and unmodeled dynamics. <i>Neural Computing and Applications</i> , 2013, 23, 391-405.	3.2	4
84	Adaptive fuzzy decentralised control for stochastic nonlinear large-scale systems in pure-feedback form. <i>International Journal of Systems Science</i> , 0, , 1-15.	3.7	4
85	Adaptive fuzzy output feedback control for SISO nonlinear systems. , 0, , .		3
86	Fault Tolerant Control of a Class of Unknown Multivariable Nonlinear Systems Using Fuzzy Approximation. , 2007, , .		2
87	Fuzzy adaptive robust fault-tolerant control for SISO uncertain nonlinear systems via backstepping. , 2008, , .		2
88	Adaptive fuzzy backstepping dynamic surface control of uncertain nonlinear systems based on filters. , 2012, , .		2
89	Adaptive fuzzy backstepping decentralized control for nonlinear large-scale systems based on DSC technique and high-gain filters. , 2012, , .		2
90	Adaptive fuzzy neural networks control for switched nonlinear systems. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
91	Output-Feedback Control Design for a Class of Switched Stochastic Nonlinear Systems with Input Delay. <i>Circuits, Systems, and Signal Processing</i> , 2017, 36, 3182-3205.	1.2	2
92	Fuzzy robust decentralized control of nonlinear interconnected systems with parametric uncertainties. , 2005, , .		1
93	Decentralized Control for Discrete-Time Fuzzy Time-Delay Interconnected Systems. , 0, , .		1
94	Decentralized Fuzzy Model Reference H ∞ Tracking Control for Nonlinear Large-Scale Systems. , 2006, , .		1
95	Robust Fault Tolerant Direct Adaptive Fuzzy Control via Backstepping. , 2007, , .		1
96	Adaptive Fuzzy Fault-Tolerant Control for Uncertain Nonlinear Systems. , 2008, , .		1
97	Indirect adaptive robust fuzzy control for a class of MIMO nonlinear systems. , 2008, , .		1
98	Robust adaptive fuzzy fault diagnosis and tolerant control for SISO unknown nonlinear systems. , 2009, , .		1
99	Output feedback fuzzy adaptive control for a class of large-scale nonlinear systems. , 0, , .		0
100	Adaptive observer for a class of nonlinear uncertain systems based on fuzzy basis functions. , 0, , .		0
101	Authors' reply [fuzzy adaptive sliding-mode control for MIMO nonlinear systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2006, 14, 479.	6.5	0
102	Decentralized Control for Discrete-Time Fuzzy Large-Scale Systems with Time-Delay. , 2006, , .		0
103	H8 Fuzzy Decentralized Control of Nonlinear Time-Delay Interconnected Systems. , 2007, , .		0
104	Fault-tolerance control method based on fuzzy logic system. , 2008, , .		0
105	Robust adaptive fuzzy dynamic surface control of uncertain nonlinear for systems. , 2008, , .		0
106	Adaptive robust fuzzy control for a class of nonlinear systems based on backstepping method. , 2008, , .		0
107	Intelligent prediction method of technical indices in the industrial process and its application. , 2009, , .		0
108	Robust adaptive fuzzy control of nonlinear systems with input saturation based on DSC and K-filter techniques. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
109	Prescribed Performance Fuzzy Adaptive Output-Feedback Control for Nonlinear Stochastic Systems. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.3	0
110	Predefined performance fuzzy adaptive tracking control for nonlinear stochastic systems with input saturation. , 2014, , .		0
111	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.	0.4	0
112	Fuzzy adaptive decentralized control for switched nonlinear large-scale systems based on backstepping technique. , 2014, , .		0
113	Direct adaptive fuzzy backstepping decentralized control for switched nonlinear large-scale systems. , 2015, , .		0