

# Ji-Chang Lo

## List of Publications by Year in descending order

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36  
papers

725  
citations

1040056

9  
h-index

1281871

11  
g-index

37  
all docs

37  
docs citations

37  
times ranked

370  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoupled fuzzy sliding-mode control. IEEE Transactions on Fuzzy Systems, 1998, 6, 426-435.	9.8	219
2	Observer-Based Robust $H_{\infty}$ Control for Fuzzy Systems Using Two-Step Procedure. IEEE Transactions on Fuzzy Systems, 2004, 12, 350-359.	9.8	128
3	Robust $H^{\infty}$ nonlinear control via fuzzy static output feedback. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 1494-1502.	0.1	127
4	Robust $H^{\infty}$ nonlinear modeling and control via uncertain fuzzy systems. Fuzzy Sets and Systems, 2004, 143, 189-209.	2.7	42
5	Existence of Similarity Transformation Converting BMIs to LMIs. IEEE Transactions on Fuzzy Systems, 2007, 15, 840-851.	9.8	38
6	Robust $H_{\infty}$ control for fuzzy systems with Frobenius norm-bounded uncertainties. IEEE Transactions on Fuzzy Systems, 2006, 14, 1-15.	9.8	35
7	Stability issues on Takagi-Sugeno fuzzy model-parametric approach. IEEE Transactions on Fuzzy Systems, 1999, 7, 597-607.	9.8	30
8	A heuristic error-feedback learning algorithm for fuzzy modeling. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 1999, 29, 686-691.	2.9	22
9	Polynomial static output feedback $H^{\infty}$ control via homogeneous Lyapunov functions. International Journal of Robust and Nonlinear Control, 2019, 29, 1639-1659.	3.7	13
10	Polynomial Fuzzy Observed-State Feedback Stabilization via Homogeneous Lyapunov Methods. IEEE Transactions on Fuzzy Systems, 2018, 26, 2873-2885.	9.8	11
11	Robust $H^{\infty}$ fuzzy control via dynamic output feedback for discrete-time systems. , 0, , .		8
12	LMI relaxations for nonlinear fuzzy control systems via homogeneous polynomials. , 2008, , .		8
13	SOS-based fuzzy stability analysis via homogeneous Lyapunov functions. , 2014, , .		8
14	Exponential stability of filtering problems for delay fuzzy systems. , 0, , .		6
15	Relaxation analysis via line integral. , 2009, , .		5
16	Stabilization of fuzzy retarded systems with input and state delays. , 2010, , .		5
17	Static nonlinear output feedback $H_2$ control for T-S fuzzy models. , 0, , .		4
18	Dissipative filtering for discrete fuzzy systems. , 2008, , .		4

#	ARTICLE	IF	CITATIONS
19	LMI relaxations for non-quadratic discrete stabilization via P&#x00F3;lya Theorem. , 2009, , .		2
20	Polynomial fuzzy-model-based control systems: Stability analysis via RHS copositive relaxation. , 2013, , .		2
21	A novel stabilization condition for T-S polynomial fuzzy system with time-delay: A sum-of-squares approach. , 2016, , .		2
22	An uncertain structure on Takagi-Sugeno fuzzy model. , 0, , .		1
23	Comments on "Generalization of stability criterion for Takagi-Sugeno continuous fuzzy model" Fuzzy Sets and Systems, 2003, 140, 387-391.	2.7	1
24	Feedback control via Popov for fuzzy systems with input saturations. , 0, , .		1
25	Robust Mixed H <sub>2</sub> /H Fuzzy Control via Static Output Feedback. , 2006, , .		1
26	Sum of squares solutions assuring non-quadratic discrete stability. , 2011, , .		1
27	New LMI Formulation For Observed-State Feedback Stabilization. , 2012, , .		1
28	Fuzzy stability analysis using interlacing condition. , 0, , .		0
29	Robust H <sub>2</sub> /fuzzy control via dynamic output feedback for discrete-time systems. , 0, , .		0
30	State feedback via circle criterion for fuzzy systems subject to input saturations. , 0, , .		0
31	H <sub>∞</sub> Filtering for Fast-Varying-Delay Takagi-Sugeno Fuzzy Systems. , 0, , .		0
32	Observer-Based Control for Sampled-Data Fuzzy Systems. , 0, , .		0
33	Current observer for sampled-data fuzzy systems. , 0, , .		0
34	H <sub>∞</sub> output feedback control for delay takagi-sugeno fuzzy systems. , 0, , .		0
35	Stabilization of fuzzy systems with input and state delays. , 2010, , .		0
36	Copositive relaxations to parameter-dependent Lyapunov functions. , 2011, , .		0