

Chang-Hua Lien

List of Publications by Year in descending order

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54
papers

1,123
citations

471509

17
h-index

395702

33
g-index

54
all docs

54
docs citations

54
times ranked

564
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability criteria for uncertain neutral systems with interval time-varying delays. <i>Chaos, Solitons and Fractals</i> , 2008, 38, 650-657.	5.1	134
2	Stability Conditions for a Class of Neutral Systems with Multiple Time Delays. <i>Journal of Mathematical Analysis and Applications</i> , 2000, 245, 20-27.	1.0	115
3	Non-fragile guaranteed cost control for uncertain neutral dynamic systems with time-varying delays in state and control input. <i>Chaos, Solitons and Fractals</i> , 2007, 31, 889-899.	5.1	85
4	H ∞ non-fragile observer-based controls of dynamical systems via LMI optimization approach. <i>Chaos, Solitons and Fractals</i> , 2007, 34, 428-436.	5.1	76
5	Robust reliable H ∞ control for uncertain nonlinear systems via LMI approach. <i>Applied Mathematics and Computation</i> , 2008, 198, 453-462.	2.2	74
6	Further results on delay-dependent robust stability of uncertain fuzzy systems with time-varying delay. <i>Chaos, Solitons and Fractals</i> , 2006, 28, 422-427.	5.1	60
7	Global Exponential Stability for Uncertain Delayed Neural Networks of Neutral Type With Mixed Time Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008, 38, 709-720.	5.0	59
8	Exponential stability analysis for uncertain switched neutral systems with interval-time-varying state delay. <i>Nonlinear Analysis: Hybrid Systems</i> , 2009, 3, 334-342.	3.5	53
9	Switching signal design for global exponential stability of uncertain switched nonlinear systems with time-varying delay. <i>Nonlinear Analysis: Hybrid Systems</i> , 2011, 5, 10-19.	3.5	46
10	Robust control for Takagi-Sugeno fuzzy systems with time-varying state and input delays. <i>Chaos, Solitons and Fractals</i> , 2008, 35, 1003-1008.	5.1	44
11	Delay-dependent and delay-independent guaranteed cost control for uncertain neutral systems with time-varying delays via LMI approach. <i>Chaos, Solitons and Fractals</i> , 2007, 33, 1017-1027.	5.1	39
12	Robust delay-dependent control for uncertain switched time-delay systems via sampled-data state feedback input. <i>Computers and Mathematics With Applications</i> , 2012, 64, 1187-1196.	2.7	25
13	Robust switching control and switching signal design for uncertain discrete switched systems with interval time-varying delay. <i>Journal of the Franklin Institute</i> , 2014, 351, 565-578.	3.4	25
14	Robust control for uncertain Takagi-Sugeno fuzzy time-delay systems with sampled-data input and nonlinear perturbations. <i>Nonlinear Analysis: Hybrid Systems</i> , 2010, 4, 550-556.	3.5	21
15	H ∞ performance for uncertain discrete switched systems with interval time-varying delay via switching signal design. <i>Applied Mathematical Modelling</i> , 2013, 37, 2484-2494.	4.2	21
16	Exponential convergence rate estimation for uncertain delayed neural networks of neutral type. <i>Chaos, Solitons and Fractals</i> , 2009, 40, 2491-2499.	5.1	18
17	Robust filtering for discrete switched systems with interval time-varying delay. <i>Signal Processing</i> , 2014, 94, 661-669.	3.7	18
18	Robust Exponential Stability for Uncertain Discrete-Time Switched Systems with Interval Time-Varying Delay through a Switching Signal. <i>Journal of Applied Research and Technology</i> , 2014, 12, 1187-1197.	0.9	16

#	ARTICLE	IF	CITATIONS
19	Robust reliable guaranteed cost control for uncertain T&S fuzzy neutral systems with interval time-varying delay and linear fractional perturbations. Optimal Control Applications and Methods, 2015, 36, 121-137.	2.1	16
20	Switching signal design for exponential stability of discrete switched systems with interval time-varying delay. Journal of the Franklin Institute, 2012, 349, 2182-2192.	3.4	15
21	Stabilization for uncertain Takagi&Sugeno fuzzy systems with time-varying delays and bounded uncertainties. Chaos, Solitons and Fractals, 2007, 32, 645-652.	5.1	14
22	Simple switching signal design for H_{∞} and control of switched time-delay systems. Nonlinear Analysis: Hybrid Systems, 2018, 29, 203-220.	3.5	14
23	H&infinity control for uncertain Takagi&Sugeno fuzzy systems with time-varying delays and nonlinear perturbations. Chaos, Solitons and Fractals, 2009, 39, 1426-1439.	5.1	10
24	Stability analysis for Cohen&Grossberg neural networks with time-varying delays via LMI approach. Expert Systems With Applications, 2011, 38, 6360-6367.	7.6	10
25	Global exponential stability of switched systems with interval time-varying delays and multiple non-linearities via simple switching signal design. IMA Journal of Mathematical Control and Information, 2016, 33, 1135-1155.	1.7	10
26	Global exponential stability for uncertain bidirectional associative memory neural networks with multiple time-varying delays via LMI approach. International Journal of Circuit Theory and Applications, 2008, 36, 451-471.	2.0	9
27	Robust H&infinity filter design for discrete-time switched systems with interval time-varying delay and linear fractional perturbations: LMI optimization approach. Applied Mathematics and Computation, 2013, 219, 11395-11407.	2.2	9
28	Stability conditions for Cohen&Grossberg neural networks with time-varying delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 2264-2268.	2.1	8
29	Robust H&infinity control for uncertain T&S fuzzy systems with state and input delays. Chaos, Solitons and Fractals, 2008, 37, 150-156.	5.1	8
30	Novel delay-partitioning approach on stability of uncertain discrete switched time-delay systems via switching signal design. IMA Journal of Mathematical Control and Information, 2016, 33, 843-857.	1.7	8
31	Guaranteed cost control for uncertain non-linear systems with time-varying delays using T&S fuzzy model. International Journal of General Systems, 2009, 38, 485-504.	2.5	6
32	Robust mixed performance of uncertain switched systems with random time-varying delay. International Journal of Systems Science, 2019, 50, 1415-1433.	5.5	6
33	Mixed performance analysis of continuous switched systems with time-varying random delay. Asian Journal of Control, 2020, 22, 2156-2166.	3.0	6
34	Robust mixed H2 and passive switching control for uncertain discrete switched systems with time delay. IMA Journal of Mathematical Control and Information, 2020, 37, 422-440.	1.7	5
35	Novel switching signal selection for robust passive sampled-data control of uncertain continuous switched time-delay systems. Asian Journal of Control, 0, , .	3.0	5
36	Mixed performance for robust fuzzy control of nonlinear autonomous surface vehicle via T&S model approach. Asian Journal of Control, 2022, 24, 1059-1073.	3.0	5

#	ARTICLE	IF	CITATIONS
37	Robust mixed performance switching control for uncertain discrete switched systems with time delay. International Journal of Systems Science, 2018, 49, 2144-2154.	5.5	4
38	Robust Mixed Performance of Continuous Switched Systems with Time Delay. Asian Journal of Control, 2020, 22, 988-998.	3.0	4
39	Robust mixed performance control of uncertain $T\infty$ fuzzy $\text{time}\in\text{delay}$ systems with aperiodic $\text{sampled}\in\text{data}$ input. Optimal Control Applications and Methods, 2021, 42, 744-768.	2.1	4
40	Passivity analysis and passive control for uncertain discrete switched time-delay systems via a simple switching signal design. Advances in Difference Equations, 2016, 2016, .	3.5	3
41	$H\infty$ analysis and switching control for uncertain discrete switched time-delay systems by discrete Wirtinger inequality. Advances in Difference Equations, 2017, 2017, .	3.5	3
42	Design a DC Solid-State Circuit Breaker for smart grid application. , 2019, , .		3
43	Aperiodic sampled-data robust $H\infty$ control of uncertain continuous switched time-delay systems with novel synchronous switching signal selection. International Journal of Systems Science, 2020, 51, 2005-2024.	5.5	3
44	Robust Mixed Performance Control of Uncertain T-S Fuzzy Systems With Interval Time-Varying Delay by Sampled-Data Input. IEEE Access, 2022, 10, 28109-28121.	4.2	3
45	Mixed Performance of Switched Systems with Time-varying Random Delay. , 2018, , .		1
46	Reachable Set and Robust Mixed Performance of Uncertain Discrete Systems with Interval Time-Varying Delay and Linear Fractional Perturbations. Mathematics, 2021, 9, 2763.	2.2	1
47	Robust mixed performance of uncertain switched systems with interval time-varying delay by synchronous switching on signal and sampled-data input. International Journal of Robust and Nonlinear Control, 2022, 32, 917.	3.7	1
48	Switching signal design for stability of switched systems with time-varying delay. , 2010, , .		0
49	Guaranteed cost control for uncertain fuzzy time-delay systems with sampled-data input. , 2011, , .		0
50	Passivity analysis for uncertain discrete switched systems with interval time-varying delay. , 2012, , .		0
51	Robust $H\infty$ switching control for uncertain discrete switched time-delay systems. , 2012, , .		0
52	Marine Engineering and Applications. Mathematical Problems in Engineering, 2013, 2013, 1-2.	1.1	0
53	Switched Dynamics with Its Applications. Abstract and Applied Analysis, 2014, 2014, 1-3.	0.7	0
54	Robust Exponential Stability of Uncertain Discrete-Time Systems with Interval Time-Varying Delay. Lecture Notes in Electrical Engineering, 2014, , 461-468.	0.4	0