Ker-Wei Yu

List of Publications by Year
in descending order

49 papers	750 citations	687335 13 h-index	552766 26 g-index
49 all docs	49 docs citations	49 times ranked	499 citing authors

#	Article	IF	Citations
1	Robust mixed performance of uncertain switched systems with interval timeâ€varying delay by synchronous switching on signal and sampledâ€data input. International Journal of Robust and Nonlinear Control, 2022, 32, 917.	3.7	1
2	Mixed performance for robust fuzzy control of nonlinear autonomous surface vehicle via Tâ€S model approach. Asian Journal of Control, 2022, 24, 1059-1073.	3.0	5
3	Robust mixed performance control of uncertain <scp>Tâ€S</scp> fuzzy <scp>timeâ€delay</scp> systems with aperiodic <scp>sampledâ€data</scp> input. Optimal Control Applications and Methods, 2021, 42, 744-768.	2.1	4
4	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
5	Robust Mixed Performance of Continuous Switched Systems with Time Delay. Asian Journal of Control, 2020, 22, 988-998.	3.0	4
6	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
7	Mixed performance analysis of continuous switched systems with timeâ€varying random delay. Asian Journal of Control, 2020, 22, 2156-2166.	3.0	6
8	Robust mixed performance of uncertain switched systems with random time-varying delay. International Journal of Systems Science, 2019, 50, 1415-1433.	5.5	6
9	Mixed Performance of Switched Systems with Time-varying Random Delay. , 2018, , .		1
10	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
11	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
12	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
13	Mathematical Tools of Soft Computing 2014. Mathematical Problems in Engineering, 2015, 2015, 1-3.	1.1	0
14	Robust reliable guaranteed cost control for uncertain Tâ€S fuzzy neutral systems with interval timeâ€varying delay and linear fractional perturbations. Optimal Control Applications and Methods, 2015, 36, 121-137.	2.1	16
15	Mathematical Tools of Soft Computing. Mathematical Problems in Engineering, 2014, 2014, 1-3.	1.1	0
16	Robust Exponential Stability of Uncertain Discrete-Time Systems with Interval Time-Varying Delay. Lecture Notes in Electrical Engineering, 2014, , 461-468.	0.4	0
17	Application of a New Hybrid Fuzzy AHP Model to the Location Choice. Mathematical Problems in Engineering, 2013, 2013, 1-12.	1.1	22
18	Robust delay-dependent control for uncertain switched time-delay systems via sampled-data state feedback input. Computers and Mathematics With Applications, 2012, 64, 1187-1196.	2.7	25

#	Article	IF	Citations
19	Passivity analysis for uncertain discrete switched systems with interval time-varying delay. , 2012, , .		0
20	Robust H<inf>∞</inf> switching control for uncertain discrete switched time-delay systems. , 2012, , .		0
21	The dynamic measurement system design for Stewart platform by using digital image processing method. , 2011, , .		0
22	Switching signal design for global exponential stability of uncertain switched nonlinear systems with time-varying delay. Nonlinear Analysis: Hybrid Systems, 2011, 5, 10-19.	3.5	46
23	Guaranteed cost control for uncertain fuzzy time-delay systems with sampled-data input. , 2011, , .		0
24	Robust control for uncertain Tâ€“S fuzzy time-delay systems with sampled-data input and nonlinear perturbations. Nonlinear Analysis: Hybrid Systems, 2010, 4, 550-556.	3.5	21
25	Study on least trimmed squares fuzzy neural networks. , 2010, , .		2
26	Switching signal design for stability of switched systems with time-varying delay. , 2010, , .		0
27	Switching Signal Design for Global Exponential Stability of Uncertain Switched Neutral Systems. Mathematical Problems in Engineering, 2009, 2009, 1-17.	1.1	2
28	A generic stable two-input single-output fuzzy control scheme for nonlinear systems. , 2009, , .		3
29	Exponential stability analysis for uncertain switched neutral systems with interval-time-varying state delay. Nonlinear Analysis: Hybrid Systems, 2009, 3, 334-342.	3.5	53
30	Exponential convergence rate estimation for uncertain delayed neural networks of neutral type. Chaos, Solitons and Fractals, 2009, 40, 2491-2499.	5.1	18
31	A Combined Hard and Soft Variable-Structure Control Scheme for a Class of Nonlinear Systems. IEEE Transactions on Industrial Electronics, 2009, 56, 3305-3313.	7.9	16
32	Stability criteria for uncertain neutral systems with interval time-varying delays. Chaos, Solitons and Fractals, 2008, 38, 650-657.	5.1	134
33	Global Exponential Stability for Uncertain Delayed Neural Networks of Neutral Type With Mixed Time Delays. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 709-720.	5.0	59
34	The Represented Model of Wave-Induced Ship's Motions by Using Neural Network. , 2008, , .		0
35	A practical design of fuzzy PD controller and its application to magnetic levitation system. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	0
36	Design of a Fuzzy Logic Controller with a Variable Structure Based Supervisor. , 2008, , .		0

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37	Exponential Stability for Switched Systems with Mixed Time Delays. Open Cybernetics and Systemics Journal, 2008, 2, 20-23.	0.3	4
38	Parameter Optimization for a Third-Order Sampled-Data Tracker. , 2007, , .		2
39	Nonfragile H_{infty} Control for Uncertain Neutral Systems With Time-Varying Delays via the LMI Optimization Approach. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 493-499.	5.0	28
40	Fuzzy Gain Scheduling PID Control Design Based on Particle Swarm Optimization Method. , 2007, , .		8
41	Implementation of the State Feedback Control Scheme for a Magnetic Levitation System. , 2007, , .		7
42	LQ Regulator Design Based on Particle Swarm Optimization. , 2006, , .		2
43	An application of AC servo motor by using particle swarm optimization based sliding mode controller. , 2006, , .		10
44	LMI OPTIMIZATION APPROACH FOR DELAYâ€DEPENDENT H_{â^ž} CONTROL OF TIMEâ€VARYING DELAY SYSTEMS. Asian Journal of Control, 2006, 8, 190-196.	3.0	5
45	Heat Transfers in Tubes Fitted with Single, Twin, and Triple Twisted Tapes. Experimental Heat Transfer, 2005, 18, 279-294.	3.2	85
46	LMI Stability Criterion for Uncertain Systems with Multiple Time Delays. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2003, 46, 1108-1111.	0.3	0
47	Stability Conditions for a Class of Neutral Systems with Multiple Time Delays. Journal of Mathematical Analysis and Applications, 2000, 245, 20-27.	1.0	115
48	Automatic Ship Handling of the Maritime Search Mission using a Self-Tuning Fuzzy Gain Scheduling PD Controller. Journal of Navigation, 1999, 52, 378-387.	1.7	7
49	Novel switching signal selection for robust passive sampledâ€data control of uncertain continuous switched timeâ€delay systems. Asian Journal of Control, 0, , .	3.0	5