

Wu-Hua Chen

List of Publications by Year in descending order

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128
papers

4,544
citations

94433

37
h-index

106344

65
g-index

128
all docs

128
docs citations

128
times ranked

1857
citing authors

#	ARTICLE	IF	CITATIONS
19	Stabilization of discrete-time switched linear systems with time-varying delays via nearly-periodic impulsive control. <i>Journal of the Franklin Institute</i> , 2019, 356, 8996-9022.	3.4	6
20	Dynamic event-triggered control for linear stochastic systems with sporadic measurements and communication delays. <i>Automatica</i> , 2019, 107, 86-94.	5.0	42
21	Observer-based feedback stabilization of Lipschitz nonlinear systems in the presence of asynchronous sampling and scheduling protocols. <i>Nonlinear Analysis: Hybrid Systems</i> , 2019, 33, 282-299.	3.5	8
22	Passivity of Reaction-Diffusion Neural Networks Via Sampled-Data Control. , 2019, , .		0
23	Stability and L_2 -Gain Analysis for Linear Time-Delay Systems With Delayed Impulses: An Augmentation-Based Switching Impulse Approach. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 4209-4216.	5.7	42
24	Dissipativity of Singularly Perturbed Lur \hat{e} Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019, 66, 1532-1536.	3.0	16
25	Multiple switching-time-dependent discretized Lyapunov functions/functionals methods for stability analysis of switched time-delay stochastic systems. <i>Journal of the Franklin Institute</i> , 2018, 355, 949-964.	3.4	17
26	Dual-stage periodic event-triggered output-feedback control for linear systems. <i>ISA Transactions</i> , 2018, 76, 57-66.	5.7	6
27	Impulsive H ∞ synchronization for reaction \hat{e} -diffusion neural networks with mixed delays. <i>Neurocomputing</i> , 2018, 272, 481-494.	5.9	18
28	Unified dwell time \hat{e} -based stability and stabilization criteria for switched linear stochastic systems and their application to intermittent control. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 2014-2030.	3.7	32
29	Impulsive stabilization for linear neutral \hat{e} -type time \hat{e} -delay systems. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 5618-5633.	3.7	10
30	Impulsive natural observers for vector second \hat{e} -order Lipschitz non \hat{e} -linear systems. <i>IET Control Theory and Applications</i> , 2018, 12, 1349-1356.	2.1	3
31	Instability and Unboundedness Analysis for Impulsive Differential Systems with Applications to Lurie Control Systems. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 1521-1531.	2.7	8
32	A new method for global stability analysis of delayed reaction \hat{e} -diffusion neural networks. <i>Neurocomputing</i> , 2018, 317, 127-136.	5.9	17
33	Generating Globally Stable Periodic Solutions of Delayed Neural Networks With Periodic Coefficients via Impulsive Control. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 1590-1603.	9.5	45
34	Pointwise-in-space stabilization and synchronization of a class of reaction \hat{e} -diffusion systems with mixed time delays via aperiodically impulsive control. <i>Nonlinear Dynamics</i> , 2017, 88, 2899-2914.	5.2	8
35	Impulsive stabilization of a class of singular systems with time-delays. <i>Automatica</i> , 2017, 83, 28-36.	5.0	54
36	Intermittent synchronization of reaction \hat{e} -diffusion neural networks with mixed delays via Razumikhin technique. <i>Nonlinear Dynamics</i> , 2017, 87, 535-551.	5.2	41

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37	Modulus consensus in a network of singularly perturbed systems with collaborative and antagonistic interactions. International Journal of Control, 2017, 90, 2667-2676.	1.9	15
38	Stability and L_2 analysis for impulsive delay systems: An impulse-time-dependent discretized Lyapunov functional method. Automatica, 2017, 86, 129-137.	3.4	26
39	Disturbance-observer-based control design for a class of uncertain systems with intermittent measurement. Journal of the Franklin Institute, 2017, 354, 5266-5279.	5.9	39
40	Aperiodically intermittent H^∞ synchronization for a class of reaction-diffusion neural networks. Neurocomputing, 2017, 222, 105-115.	2.1	29
41	control of linear singular time-delay systems subject to impulsive perturbations. IET Control Theory and Applications, 2017, 11, 420-428.	3.7	24
42	Impulsive positive observers and dynamic output feedback stabilization of positive linear continuous systems. International Journal of Robust and Nonlinear Control, 2017, 27, 2275-2291.	3.0	17
43	Sampled-data distributed H^∞ control of a class of 1-D parabolic systems under spatially point measurements. Journal of the Franklin Institute, 2017, 354, 197-214.		0
44	On stabilization of delayed linear singular systems via impulsive control. , 2017, , .		0
45	Disturbance observer-based control design for a class of nonlinear stochastic systems with periodically intermittent measurement. , 2017, , .		2
46	Bipartite consensus for multiple two-time scales agents over the signed digraph. , 2016, , .		1
47	Impulsive stabilization of periodic solutions of recurrent neural networks with discrete and distributed delays. , 2016, , .		2
48	Periodically intermittent H^∞ control for a class of nonlinear systems. , 2016, , .		0
49	Global synchronization of delayed reaction-diffusion neural networks via impulsive control. , 2016, , .		0
50	Delay-independent stabilization of a class of time-delay systems via periodically intermittent control. Automatica, 2016, 71, 89-97.	5.0	92
51	Impulsive Synchronization of Reaction-Diffusion Neural Networks With Mixed Delays and Its Application to Image Encryption. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2696-2710.	11.3	204
52	Stochastic Finite-Time Stabilization for a Class of Nonlinear Markovian Jump Stochastic Systems With Impulsive Effects. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	1.6	2
53	A new approach to adaptive impulsive observer design for nonlinear systems. , 2015, , .		0
54	Multistability in a class of stochastic delayed Hopfield neural networks. Neural Networks, 2015, 68, 52-61.	5.9	26

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55	$H < \substack{\hat{z} \\ \text{control}} >$ synchronization for complex dynamical networks with coupling delays using distributed impulsive control. <i>Nonlinear Analysis: Hybrid Systems</i> , 2015, 17, 111-127.	3.5	76
56	Globally exponential stabilization of neural networks with mixed time delays via impulsive control. <i>Applied Mathematics and Computation</i> , 2015, 260, 10-26.	2.2	19
57	Periodically intermittent sampled-data control of a class of diffusion neural networks. , 2015, , .		5
58	Stability and stabilization of discrete-time linear systems with nearly-periodic impulses. , 2015, , .		0
59	Adaptive impulsive observers for nonlinear systems: Revisited. <i>Automatica</i> , 2015, 61, 232-240.	5.0	48
60	On periodically intermittent stabilization of stochastic delayed neural networks. , 2015, , .		1
61	Guaranteed cost control of linear uncertain discrete-time impulsive systems. <i>Transactions of the Institute of Measurement and Control</i> , 2015, 37, 33-39.	1.7	6
62	Robust sampled-data H_{∞} control of uncertain singularly perturbed systems using time-dependent Lyapunov functionals. <i>International Journal of Systems Science</i> , 2015, 46, 2832-2852.	5.5	18
63	Global exponential stability of a class of impulsive neural networks with unstable continuous and discrete dynamics. <i>Neurocomputing</i> , 2015, 147, 225-234.	5.9	12
64	Impulsive Stabilization and Impulsive Synchronization of Discrete-Time Delayed Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015, 26, 734-748.	11.3	158
65	Impulsive synchronization for uncertain delayed complex dynamical networks with minimal coupling strength. , 2014, , .		0
66	Global exponential stabilization of neural networks with time delay via impulsive control. , 2014, , .		0
67	Global exponential synchronization of nonlinear time-delay Lur'e systems via delayed impulsive control. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014, 19, 3298-3312.	3.3	89
68	A revisit to the design of switched observers for switched linear systems with unknown inputs. <i>International Journal of Control, Automation and Systems</i> , 2014, 12, 954-962.	2.7	16
69	Periodically Intermittent Stabilization of Delayed Neural Networks Based on Piecewise Lyapunov Functions/Functionals. <i>Circuits, Systems, and Signal Processing</i> , 2014, 33, 3757-3782.	2.0	33
70	Impulsive observer-based stabilisation of uncertain linear systems. <i>IET Control Theory and Applications</i> , 2014, 8, 149-159.	2.1	53
71	On designing decentralized impulsive controllers for synchronization of complex dynamical networks with nonidentical nodes and coupling delays. <i>Journal of the Franklin Institute</i> , 2014, 351, 4084-4110.	3.4	35
72	Impulsive observers with variable update intervals for Lipschitz nonlinear time-delay systems. <i>International Journal of Systems Science</i> , 2013, 44, 1934-1947.	5.5	56

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73	Delayed Impulsive Control of Takagi-Sugeno Fuzzy Delay Systems. IEEE Transactions on Fuzzy Systems, 2013, 21, 516-526.	9.8	67
74	Robust Stability of Singularly Perturbed Impulsive Systems Under Nonlinear Perturbation. IEEE Transactions on Automatic Control, 2013, 58, 168-174.	5.7	30
75	Exponential stability of a class of nonlinear singularly perturbed systems with delayed impulses. Journal of the Franklin Institute, 2013, 350, 2678-2709.	3.4	22
76	Comments on "Designing a Novel Adaptive Impulsive Observer for Nonlinear Continuous Systems Using LMIs". IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1094-1096.	5.4	5
77	Mean square exponential stability of uncertain linear impulsive stochastic systems with Markovian switching. , 2013, , .		0
78	A Lyapunov functional approach to impulsive control of Takagi-Sugeno fuzzy delay systems. , 2012, , .		0
79	An Improved Stabilization Method for Sampled-Data Control Systems With Control Packet Loss. IEEE Transactions on Automatic Control, 2012, 57, 2378-2384.	5.7	82
80	On Sampled-Data Control for Master-Slave Synchronization of Chaotic Lur'e Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 515-519.	3.0	90
81	Exponential stability of a class of linear time-varying singularly perturbed systems. , 2011, , .		2
82	The Effect of Delayed Impulses on Stability of Impulsive Time-Delay Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6307-6312.	0.4	2
83	Impulsive functional observers for linear systems. International Journal of Control, Automation and Systems, 2011, 9, 987-992.	2.7	31
84	Exponential stability of nonlinear time-delay systems with delayed impulse effects. Automatica, 2011, 47, 1075-1083.	5.0	201
85	Input-to-state stability for networked control systems via an improved impulsive system approach. Automatica, 2011, 47, 789-796.	5.0	107
86	Exponential stability of a class of singularly perturbed stochastic time-delay systems with impulse effect. Nonlinear Analysis: Real World Applications, 2010, 11, 3463-3478.	1.7	17
87	Exponential stability and exponential stabilization of singularly perturbed stochastic systems with time-varying delay. International Journal of Robust and Nonlinear Control, 2010, 20, 2021-2044.	3.7	24
88	Robust Impulsive Guaranteed Cost Control of Uncertain Chaotic Lur'e Systems. , 2010, , .		0
89	Robust Stability Analysis for Stochastic Neural Networks With Time-Varying Delay. IEEE Transactions on Neural Networks, 2010, 21, 508-514.	4.2	40
90	Robust H8 Filtering for a Class of Uncertain Impulsive Systems. , 2010, , .		0

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91	A study of exponential stability for stochastic delayed neural networks. , 2010, , .		0
92	A New Method for Complete Stability Analysis of Cellular Neural Networks With Time Delay. IEEE Transactions on Neural Networks, 2010, 21, 1126-1139.	4.2	44
93	Stability analysis for switched systems with time-varying delay and parametric uncertainties. , 2010, , .		2
94	Delay-Independent Minimum Dwell Time for Exponential Stability of Uncertain Switched Delay Systems. IEEE Transactions on Automatic Control, 2010, 55, 2406-2413.	5.7	85
95	A new method for H_{∞} performance analysis and control of networked control systems. , 2010, , .		0
96	Delay-Dependent Stochastic Stability and H_{∞} -Control of Uncertain Neutral Stochastic Systems With Time Delay. IEEE Transactions on Automatic Control, 2009, 54, 1660-1667.	5.7	79
97	Stability analysis for time-delay systems with partial states subject to impulsive inputs. , 2009, , .		0
98	Robust stability and H_{∞} performance analysis of uncertain impulsive systems with time-delay. Automatica, 2009, 45, 109-117.	5.0	89
99	Input-to-state stability and integral input-to-state stability of nonlinear impulsive systems with delays. Automatica, 2009, 45, 1481-1488.	5.0	186
100	Global Exponential Stability of Impulsive Neural Networks With Variable Delay: An LMI Approach. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 1248-1259.	5.4	86
101	Mean square exponential stability of uncertain stochastic delayed neural networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1061-1069.	2.1	141
102	Impulsive synchronization of chaotic Lur'e systems via partial states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 4210-4216.	2.1	25
103	Robust H_{∞} control of uncertain linear impulsive stochastic systems. International Journal of Robust and Nonlinear Control, 2008, 18, 1348-1371.	3.7	42
104	On Global Asymptotic Stability of Cohen-Grossberg Neural Networks With Variable Delays. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 3145-3159.	5.4	22
105	Improved Delay-Dependent Asymptotic Stability Criteria for Delayed Neural Networks. IEEE Transactions on Neural Networks, 2008, 19, 2154-2161.	4.2	72
106	Stability analysis of dynamical neural networks with uncertain delays. , 2008, , .		0
107	On robust stabilization of delayed impulsive systems subject to parametric uncertainties. , 2008, , .		0
108	Razumikhin-type theorems for ISS of nonlinear delayed impulsive systems. , 2008, , .		0

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109	A Delay-Dependent Exponential Stability Criterion for Delayed Neural Networks. , 2007, , .		0
110	Robust stabilization of delayed Markovian jump systems subject to parametric uncertainties. , 2007, , .		13
111	Delay-dependent robust stabilization for uncertain neutral systems with distributed delays. Automatica, 2007, 43, 95-104.	5.0	250
112	Asymptotic Stability in a Neutral Delay Differential System with Variable Delays. SIAM Journal on Mathematical Analysis, 2006, 37, 1522-1534.	1.9	3
113	Stability Analysis and H_2 -Control of Delayed Neutral Stochastic Systems with Time-Varying Parameter Uncertainties. , 2006, , .		2
114	Global asymptotic stability of a class of neural networks with distributed delays. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 644-652.	0.1	52
115	On improved robust stabilization of uncertain systems with unknown input delay. Automatica, 2006, 42, 1067-1072.	5.0	64
116	New delay-dependent exponential stability criteria for neural networks with variable delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 351, 53-58.	2.1	16
117	Global exponential stability for discrete-time neural networks with variable delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 358, 186-198.	2.1	70
118	On Robust Stabilization of Uncertain Delay Differential Systems of Neutral Type. , 2006, , .		0
119	Delay-dependent exponential stability of uncertain stochastic systems with multiple delays: an LMI approach. Systems and Control Letters, 2005, 54, 547-555.	2.3	242
120	Delay-dependent stability and stabilizability of uncertain jump bilinear stochastic systems with mode-dependent time-delays. International Journal of Systems Science, 2005, 36, 275-285.	5.5	27
121	Delay-dependent guaranteed cost control for uncertain discrete-time systems with both state and input delays. Journal of the Franklin Institute, 2004, 341, 419-430.	3.4	88
122	Delay-dependent exponential stability of neural networks with variable delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 326, 355-363.	2.1	35
123	Delay-dependent output feedback guaranteed cost control for uncertain time-delay systems. Automatica, 2004, 40, 1263-1268.	5.0	108
124	Guaranteed cost control for uncertain markovian jump systems with mode-dependent time-delays. IEEE Transactions on Automatic Control, 2003, 48, 2270-2276.	5.7	170
125	Stability Analysis for Dynamical Neural Networks with Distributed Delays. , 0, , .		0
126	Stability analysis for Cohen-Grossberg neural networks with time-varying delays. , 0, , .		3

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127	A study of complete stability for delayed cellular neural networks. , 0, , .		1
128	Globally exponential stabilization of a class of uncertain time delay systems via periodically intermittent control. Mathematical Methods in the Applied Sciences, 0, , .	2.3	0