Hansheng Wu

List of Publications by Year
in descending order

93 papers	1,071 citations	471509 17 h-index	454955 30 g-index
93 all docs	93 docs citations	93 times ranked	449 citing authors

#	Article	IF	Citations
1	Adaptive Robust Tracking and Model Following of Uncertain Dynamical Systems With Multiple Time Delays. IEEE Transactions on Automatic Control, 2004, 49, 611-616.	5.7	168
2	Decentralized adaptive robust control for a class of large-scale systems including delayed state perturbations in the interconnections. IEEE Transactions on Automatic Control, 2002, 47, 1745-1751.	5.7	138
3	Robust stability criteria for dynamical systems including delayed perturbations. IEEE Transactions on Automatic Control, 1995, 40, 487-490.	5.7	64
4	Continuous adaptive robust controllers guaranteeing uniformultimate boundedness for uncertain nonlinear systems. International Journal of Control, 1999, 72, 115-122.	1.9	62
5	Adaptive Robust State Observers for a Class of Uncertain Nonlinear Dynamical Systems With Delayed State Perturbations. IEEE Transactions on Automatic Control, 2009, 54, 1407-1412.	5.7	55
6	Exponential stability of a class of nonlinear dynamical systems with uncertainties. Systems and Control Letters, 1993, 21, 307-313.	2.3	49
7	Adaptive robust control of uncertain nonlinear systems with nonlinear delayed state perturbations. Automatica, 2009, 45, 1979-1984.	5.0	42
8	Adaptive robust backstepping control for a class of uncertain dynamical systems using neural networks. Nonlinear Dynamics, 2015, 81, 1597-1610.	5.2	33
9	Robust stabilization of uncertain linear dynamical systems. International Journal of Systems Science, 1993, 24, 265-276.	5.5	28
10	Eigenstructure assignment-based robust stability conditions for uncertain systems with multiple time-varying delays. Automatica, 1997, 33, 97-102.	5.0	26
11	Decentralized adaptive robust control for a class of large scale systems with uncertainties in the interconnections. International Journal of Control, 2003, 76, 253-265.	1.9	25
12	Decentralized robust control for a class of large-scale interconnected systems with uncertainties. International Journal of Systems Science, 1989, 20, 2597-2608.	5.5	22
13	Decentralized iterative learning control for a class of large scale interconnected dynamical systems. Journal of Mathematical Analysis and Applications, 2007, 327, 233-245.	1.0	22
14	Decentralized Adaptive Robust Tracking and Model Following for Large-Scale Systems Including Delayed State Perturbations in the Interconnections. Journal of Optimization Theory and Applications, 2008, 137, 231-253.	1.5	22
15	Decentralised adaptive robust control schemes of uncertain large-scale time-delay systems with multiple unknown dead-zone inputs. IET Control Theory and Applications, 2017, 11, 1360-1370.	2.1	21
16	Lyapunov stability theory and robust control of uncertain descriptor systems. International Journal of Systems Science, 1995, 26, 1981-1991.	5.5	20
17	Robust adaptive control scheme for uncertain non-linear model reference adaptive control systems with time-varying delays. IET Control Theory and Applications, 2015, 9, 1181-1189.	2.1	20
18	Adaptive robust stabilisation of uncertain nonlinear dynamical systems: an improved backstepping approach. International Journal of Control, 2018, 91, 114-131.	1.9	16

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19	Simple adaptive robust control schemes of uncertain strict‐feedback non‐linear time‐delay systems. IET Control Theory and Applications, 2017, 11, 2222-2231.	2.1	13
20	Adaptive Robust Control for a Class of Uncertain Neutral Systems with Time Delays and Nonlinear Uncertainties. International Journal of Control, Automation and Systems, 2021, 19, 1215-1227.	2.7	13
21	Adaptive Robust Backstepping Output Tracking Control for a Class of Uncertain Nonlinear Systems Using Neural Network. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	1.6	12
22	Decentralised adaptive robust control of uncertain large-scale interconnected systems with multiple time-varying delays. International Journal of Systems Science, 2012, 43, 1842-1854.	5.5	11
23	A class of adaptive robust state observers with simpler structure for uncertain non‐linear systems with time‐varying delays. IET Control Theory and Applications, 2013, 7, 218-227.	2.1	11
24	Robust Stability Conditions for Large-Scale Interconnected Systems with Structured and Unstructured Uncertainties. Journal of Mathematical Analysis and Applications, 1999, 230, 70-96.	1.0	10
25	Robust output tracking of uncertain nonlinear systems with completely unknown dead‐zone input: A self‐tuning design approach. International Journal of Adaptive Control and Signal Processing, 2016, 30, 1627-1642.	4.1	10
26	Decentralised adaptive controllers for robust tracking and model following of uncertain large scale systems. International Journal of Control, 2009, 82, 268-278.	1.9	8
27	Adaptive robust stabilisation for a class of uncertain nonlinear time-delay dynamical systems. International Journal of Systems Science, 2013, 44, 371-383.	5.5	8
28	Adaptive robust dynamic surface control for uncertain strict‐feedback nonlinear systems using fuzzy logic systems. Asian Journal of Control, 2021, 23, 761-773.	3.0	8
29	Decentralised robust stabilisation of uncertain large-scale interconnected time-delay systems with unknown upper bounds of uncertainties. International Journal of Systems Science, 2016, 47, 2816-2826.	5.5	7
30	Adaptive robust output tracking of uncertain strict-feedback nonlinear time-delay systems via control schemes with simple structure. International Journal of Systems Science, 2017, 48, 2669-2681.	5.5	7
31	Robust output tracking of uncertain nonlinear time‐delay systems with unknown dead‐zone inputs via control schemes with a simple structure. International Journal of Adaptive Control and Signal Processing, 2017, 31, 1952-1964.	4.1	7
32	Simple adaptive robust output tracking control schemes of uncertain parametric strict‐feedback non‐linear systems with unknown input saturations. IET Control Theory and Applications, 2018, 12, 1694-1703.	2.1	7
33	Robust output feedback controllers for dynamical systems including delayed perturbations. International Journal of Systems Science, 1999, 30, 211-218.	5.5	6
34	Design of Memoryless Controllers for Robust Tracking and Model Following of Uncertain Systems with Multiple Time Delays. IEEJ Transactions on Electronics, Information and Systems, 2001, 121, 1268-1276.	0.2	6
35	A new integral inequality and its applications to robust control problems of uncertain nonlinear systems. International Journal of Robust and Nonlinear Control, 2018, 28, 4584-4603.	3.7	6
36	Adaptive Robust Asymptotic State Observers for Uncertain Nonlinear Dynamical Systems. IEEJ Transactions on Electronics, Information and Systems, 2007, 127, 726-732.	0.2	5

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37	Adaptive robust stabilization for a class of uncertain nonlinear systems with external disturbances. , 2010, , .		5
38	Robust adaptive control schemes for a class of uncertain dynamical systems with multiple time delays. International Journal of Systems Science, 2003, 33, 1241-1248.	5.5	5
39	Robust stabilisation of uncertain time–delay dynamical systems with unknown bounds of uncertainties: a non–linear control method. IET Control Theory and Applications, 2015, 9, 2039-2046.	2.1	4
40	Adaptive robust control for a class of uncertain stochastic systems with time–varying delays. IEEJ Transactions on Electrical and Electronic Engineering, 2018, 13, 1461-1467.	1.4	4
41	Robust tracking and model following of uncertain non–linear systems with time–varying delays and dead–zone inputs. IET Control Theory and Applications, 2020, 14, 801-808.	2.1	4
42	Decentralised robust tracking and model following for uncertain large-scale interconnected systems with time-varying delays and dead-zone inputs. International Journal of Systems Science, 2021, 52, 3569-3581.	5.5	4
43	Two-Level Incentive Stackelberg Strategies in LQ Differential Games with Two Noncooperative Leaders and One Follower. Transactions of the Society of Instrument and Control Engineers, 1987, 23, 625-632.	0.2	4
44	Adaptive Backstepping Control for Mecanum–Wheeled Omnidirectional Vehicle Using Neural Networks. IEEJ Transactions on Electrical and Electronic Engineering, 2022, 17, 378-386.	1.4	4
45	New necessary conditions for optimality of singular controls in optimal control problems. International Journal of Systems Science, 1992, 23, 1335-1345.	5.5	3
46	Design of Iterative Learning Controllers for Linear Discrete Systems with Multiple Time Delays. IEEJ Transactions on Electronics, Information and Systems, 2006, 126, 1138-1143.	0.2	3
47	Adaptive sliding mode controller design for decentralised model following of large-scale systems with time-varying delay interconnections. International Journal of Advanced Mechatronic Systems, 2010, 2, 369.	0.2	3
48	Neural networks-based adaptive robust controllers and its applications to water pollution control systems. International Journal of Advanced Mechatronic Systems, 2013, 5, 138.	0.2	3
49	A class of adaptive robust controllers for uncertain dynamical systems with unknown virtual control coefficients. International Journal of Advanced Mechatronic Systems, 2015, 6, 65.	0.2	3
50	Further results on adaptive robust state observers of a class of dynamical systems with nonlinear uncertainties and external disturbances. IEEJ Transactions on Electrical and Electronic Engineering, 2018, 13, 489-495.	1.4	3
51	Stabilising feedback control schemes of dynamical systems with completely unknown saturated inputs: an adaptive design method. International Journal of Control, 2019, 92, 2441-2450.	1.9	3
52	Adaptive Robust Sliding Mode Controller Design for Decentralized Model Following of Large Scale Interconnected Dynamical Systems. IEEJ Transactions on Electronics, Information and Systems, 2007, 127, 68-75.	0.2	3
53	Procedure for simultaneously stabilizing a collection of non-linear systems using linear state feedback control. International Journal of Systems Science, 1990, 21, 2409-2424.	5.5	2
54	Robust stability of a class of uncertain nonlinear dynamical systems with time-varying delay. International Journal of Systems Science, 1994, 25, 2285-2296.	5.5	2

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55	Adaptive robust controller design of uncertain nonlinear time-delay dynamical systems. , 2011, , .		2
56	Multiple integral inequality and its applications to decentralised control of large‐scale systems with time‐varying delays and unknown saturated inputs. IET Control Theory and Applications, 2020, 14, 30-38.	2.1	2
57	A Class of State Feedback Controllers with Simpler Structures for Uncertain Nonlinear Dynamical Systems. Transactions of the Society of Instrument and Control Engineers, 1996, 32, 477-485.	0.2	2
58	A Class of Modified Decentralized Adaptive Robust Controllers for Large Scale Interconnected Dynamical Systems with Uncertainties.. IEEJ Transactions on Electronics, Information and Systems, 2003, 123, 491-496.	0.2	2
59	Memoryless Linear Adaptive Robust Controllers of Uncertain Systems with Nonlinear Time-Varying Delayed State Perturbations. IEEJ Transactions on Electronics, Information and Systems, 2011, 131, 2172-2180.	0.2	2
60	Optimal Control Problems for a Class of Nonlinear Descriptor Systems. IEEJ Transactions on Electronics, Information and Systems, 1990, 110, 396-403.	0.2	2
61	A class of differential game problems for descriptor systems. International Journal of Systems Science, 1992, 23, 1731-1744.	5.5	1
62	Discrete Sliding Mode Control Using Neural Network. Transactions of the Society of Instrument and Control Engineers, 1997, 33, 787-791.	0.2	1
63	Adaptive Robust State Feedback Controllers for Linear Dynamical Systems with Bounded Uncertainties. IEEJ Transactions on Electronics, Information and Systems, 1999, 119, 898-905.	0.2	1
64	Memoryless adaptive robust state feedback controllers of uncertain dynamical systems with time-varying delays. , 2010, , .		1
65	Decentralized adaptive robust controllers with simpler structure of uncertain large scale nonlinear interconnected systems. , 2013, , .		1
66	Decentralized local adaptive robust state observers of large scale interconnected systems with uncertainties. , 2014, , .		1
67	Adaptive Robust Stabilization of Uncertain Neutral Delay‐Time Systems via Control Schemes with Simple Structure. IFAC-PapersOnLine, 2018, 51, 165-170.	0.9	1
68	Sufficient Conditions for Robust Stability of Linear Systems with Both Time-Varying Delay and Uncertainties. Transactions of the Society of Instrument and Control Engineers, 1996, 32, 8-15.	0.2	1
69	A Study on Model Reference Adaptive Control Using Neural Networks. Transactions of the Society of Instrument and Control Engineers, 1997, 33, 477-482.	0.2	1
70	Partial capture regions in aerial combat. International Journal of Control, 1987, 46, 237-247.	1.9	0
71	First-order and second-order necessary conditions for optimality of singular controls. International Journal of Control, 1989, 49, 1473-1487.	1.9	0
72	A Procedure for Designing Robust Control of Systems with Bounded Uncertain Parameters. IEEJ Transactions on Electronics, Information and Systems, 1990, 110, 36-42.	0.2	0

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73	Decentralized Adaptive Robust Stabilization for a Class of Uncertain Large Scale Interconnected Time-Delay Systems. IEEJ Transactions on Electronics, Information and Systems, 2002, 122, 1786-1793.	0.2	0
74	Adaptive Output Feedback Control Schemes for Robust Tracking and Model Following of Uncertain Systems with Multiple Time Delays. IEEJ Transactions on Electronics, Information and Systems, 2005, 125, 300-307.	0.2	0
75	A Class of PType Iterative Learning Control Schemes for DiscreteTime Systems with Multiple Time Delays. , 2006, , .		0
76	A clsss of adaptive robust state observers of uncertain nonlinear time-delay systems. , 2008, , .		0
77	Adaptive robust optimal long-term management schemes for a class of ecological systems with partially known uncertainties. , 2010, , .		0
78	A class of adaptive robust controllers with simpler structure and its application to uncertain ecological systems with time-delay. , 2012, , .		0
79	A simple robust adaptive control scheme for model reference adaptive control systems with nonlinear delayed state perturbations. , 2013, , .		0
80	Adaptive robust stabilization for a class of uncertain nonlinear systems with unknown virtual control coefficients. , 2014, , .		0
81	A class of decentralized robust controllers of uncertain large scale time-delay systems with unknown upper bounds of uncertainties. , 2015, , .		0
82	Simple adaptive robust output tracking controllers for uncertain nonlinear time-delay systems with dead-zone input. , 2017, , .		0
83	A class of redesigned adaptive robust controllers for nonlinear delayed systems. , 2017, , .		0
84	Decentralized Model Following Controllers for a Class of Large Scale Interconnected Dynamical Systems with Uncertainties. IEEJ Transactions on Electronics, Information and Systems, 2002, 122, 249-258.	0.2	0
85	Design of Decentralized Iterative Learning Controllers for Linear Large Scale Dynamical Systems. IEEJ Transactions on Electronics, Information and Systems, 2004, 124, 870-876.	0.2	0
86	Necessary Conditions for Optimality of Singular Strategies in Quantitative Differential Games. IEEJ Transactions on Electronics, Information and Systems, 1988, 108, 25-30.	0.2	0
87	A New Class of Robust Feedback Controllers for Dynamical Systems in the Absence of Matching Conditions. Transactions of the Society of Instrument and Control Engineers, 1994, 30, 267-272.	0.2	0
88	New Sufficient Conditions for Robust Stability of Time-Delay Systems with Structured State Space Uncertainties. Transactions of the Society of Instrument and Control Engineers, 1996, 32, 336-344.	0.2	0
89	Exponential Stabilization of SISO Nonlinear Systems with Uncertainties. IEEJ Transactions on Electronics, Information and Systems, 1997, 117, 1862-1868.	0.2	0
90	Robust Adaptive Control for a Class of Linear Dynamical Systems Including Delayed States. IEEJ Transactions on Electronics, Information and Systems, 1999, 119, 248-254.	0.2	0

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91	Adabtive Robust Control for a Class of Uncertain Dynamical Systems and Its Application to River Pollution Control Systems. IEEJ Transactions on Electronics, Information and Systems, 1999, 119, 561-566.	0.2	0
92	Sufficient Conditions for Robust Stability of Uncertain Discrete Systems With Multiple Time Delays. IEEJ Transactions on Electronics, Information and Systems, 1999, 119, 1139-1146.	0.2	0
93	Simple Control Scheme for Robust Tracking and Model Following of Uncertain Systems with Unknown Dead-Zone Inputs and Nonlinear Perturbations. IFAC-PapersOnLine, 2020, 53, 6183-6188.	0.9	0