Ho-Lim Choi

List of Publications by Year
in descending order

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73	721	687363 13	580821 25
papers	citations	h-index	g-index

74	74	74	279
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global exponential stabilization of a class of nonlinear systems by output feedback. IEEE Transactions on Automatic Control, 2005, 50, 255-257.	5.7	89
2	Stabilization of a class of nonlinear systems by adaptive output feedback. Automatica, 2005, 41, 1091-1097.	5.0	68
3	Output Feedback Regulation of a Chain of Integrators With an Unknown Time-Varying Delay in the Input. IEEE Transactions on Automatic Control, 2010, 55, 263-268.	5.7	59
4	Global Regulation of a Class of Uncertain Nonlinear Systems by Switching Adaptive Controller. IEEE Transactions on Automatic Control, 2010, 55, 2822-2827.	5.7	54
5	Stabilization of a Chain of Integrators With an Unknown Delay in the Input by Adaptive Output Feedback. IEEE Transactions on Automatic Control, 2006, 51, 1359-1363.	5.7	45
6	Observer based output feedback regulation of a class of feedforward nonlinear systems with uncertain input and state delays using adaptive gain. Systems and Control Letters, 2014, 71, 44-53.	2.3	41
7	Asymptotic stabilization of an input-delayed chain of integrators with nonlinearity. Systems and Control Letters, 2010, 59, 374-379.	2.3	38
8	Global regulation of a class of feedforward and non-feedforward nonlinear systems with a delay in the input. Automatica, 2012, 48, 2607-2613.	5.0	31
9	Stabilisation of non-linear systems with unknown growth rate by adaptive output feedback. International Journal of Systems Science, 2010, 41, 673-678.	5.5	23
10	Measurement feedback control for a class of feedforward nonlinear systems. International Journal of Robust and Nonlinear Control, 2013, 23, 1405-1418.	3.7	19
11	Non-predictor controller for feedforward and non-feedforward nonlinear systems with an unknown time-varying delay in the input. Automatica, 2016, 65, 27-35.	5.0	19
12	On stability of linear time-delay systems with multiple delays. International Journal of Systems Science, 2008, 39, 839-852.	5.5	14
13	Output feedback regulation of a class of highâ€order feedforward nonlinear systems with unknown timeâ€varying delay in the input under measurement sensitivity. International Journal of Robust and Nonlinear Control, 2020, 30, 4744-4763.	3.7	14
14	Output feedback regulation of upper triangular nonlinear systems with uncertain timeâ€varying delays in states and input. International Journal of Robust and Nonlinear Control, 2017, 27, 5129-5144.	3.7	12
15	Output Feedback Regulation of a Class of Lower Triangular Nonlinear Systems with Arbitrary Unknown Measurement Sensitivity. International Journal of Control, Automation and Systems, 2020, 18, 2186-2194.	2.7	11
16	Output feedback regulation of a chain of integrators with unknown time-varying delays in states and input. Automatica, 2015, 58, 183-190.	5.0	10
17	A Further Result on Global Stabilization of a Class of Nonlinear Systems by Output Feedback with Unknown Measurement Sensitivity. International Journal of Control, Automation and Systems, 2019, 17, 2500-2507.	2.7	9
18	Approximate feedback linearization of a class of nonlinear systems with time-varying delays in states via matrix inequality. International Journal of Control, Automation and Systems, 2014, 12, 742-748.	2.7	8

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19	Non-predictor control of a class of feedforward nonlinear systems with unknown time-varying delays. International Journal of Control, 2016, 89, 1675-1683.	1.9	8
20	Adaptive control of feedforward nonlinear systems with uncertain timeâ€varying parameters and an unknown timeâ€varying delay in the input. International Journal of Adaptive Control and Signal Processing, 2020, 34, 1308-1320.	4.1	8
21	Robust approximate feedback linearisation control for nonlinear systems with uncertain parameters and external disturbance: its application to an electromagnetic levitation system. International Journal of Systems Science, 2018, 49, 2695-2703.	5.5	7
22	Fastest recovery after feedback disruption: nonlinear delay-differential systems. International Journal of Control, 2019, 92, 717-733.	1.9	7
23	Fastest recovery from feedback loss: Bounded overshoot. International Journal of Control, 2019, 92, 2077-2090.	1.9	7
24	Robust control for nonlinear systems with uncertain time-varying parameters coupled with non-triangular terms. International Journal of Systems Science, 2020, 51, 507-521.	5.5	7
25	Sliding mode control design under partial state feedback for ball and beam system. , 2010, , .		6
26	Gain scheduling control of nonlinear systems based on approximate input-output linearization. International Journal of Control, Automation and Systems, 2014, 12, 1131-1137.	2.7	5
27	On Robust Approximate Feedback Linearization: Control with Two Gain-scaling Factors. International Journal of Control, Automation and Systems, 2021, 19, 1151-1157.	2.7	5
28	Control of a Chain of Integrators with a Delay in the Input under Measurement Feedback. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 1464-1467.	0.3	5
29	Measurement Output Feedback Control with a Switching Gain-Scaling Factor for a Chain of Integrators under Sensor Noise. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2012, E95.A, 1623-1626.	0.3	5
30	Global asymptotic stabilization of a chain of integrators with a time-varying delay in the input by output feedback. , 2007, , .		4
31	Memoryless and Adaptive State Feedback Controller for a Chain of Integrators with an Unknown Delay in the Input. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 1565-1568.	0.3	4
32	Dynamic gain output feedback control of a class of uncertain feedforward nonlinear systems with uncertain time-delays and sensor noise. International Journal of Control, Automation and Systems, 2015, 13, 567-574.	2.7	4
33	Quick recovery after feedback loss: Delay-differential systems. , 2017, , .		4
34	Robust observerâ€based output feedback controller for nonlinear systems with uncertain triangular and nontriangular nonlinearities and diagonal terms. International Journal of Robust and Nonlinear Control, 2019, 29, 1182-1200.	3.7	4
35	Periodic sampling: maximising the sampling period. International Journal of Control, 2020, 93, 1303-1316.	1.9	4
36	Global regulation of high-order feedforward and non-feedforward systems with unknown time-varying delays in states and input. International Journal of Control, 2021, 94, 1611-1621.	1.9	4

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37	State feedback regulation of high-order feedforward nonlinear systems with delays in the state and input under measurement sensitivity. International Journal of Systems Science, 2021, 52, 2034-2047.	5.5	4
38	Recovering in Minimal Time from Feedback Loss: Bounded Overshoots. , 2018, , .		4
39	On Robust Approximate Feedback Linearization: A Nonlinear Control Approach. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2009, E92-A, 1535-1537.	0.3	3
40	On global stabilization of a class of nonlinear systems with high-order nonlinearities by state feedback. International Journal of Control, Automation and Systems, 2010, 8, 908-912.	2.7	3
41	Dynamic gain control with a matrix inequality approach to uncertain systems with triangular and non-triangular nonlinearities. International Journal of Systems Science, 2016, 47, 1453-1464.	5.5	3
42	Regulation of lower triangular and nonâ€triangular nonlinear systems with uncertain highâ€order nonlinearities via dynamic gain control. International Journal of Robust and Nonlinear Control, 2017, 27, 347-360.	3.7	3
43	Robust Optimal Control of Nonlinear Systems With System Disturbance During Feedback Disruption. Asian Journal of Control, 2018, 20, 1755-1768.	3.0	3
44	Asymptotic Stabilization of a Chain of Integrators by an Event-Triggered Gain-Scaling Controller. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, E104.A, 1421-1424.	0.3	3
45	Integral $$gamma$$-Sliding Mode Control for a Quadrotor with Uncertain Time-Varying Mass and External Disturbance. Journal of Electrical Engineering and Technology, 2022, 17, 707-716.	2.0	3
46	On pattern classification of EMG signals for walking motions. Artificial Life and Robotics, 2000, 4, 193-197.	1.2	2
47	Global Stabilization of a Class of Feedforward Nonlinear Systems with Unknown Growth Rate and Input Delay by Output Feedback. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2009, E92-A, 2932-2935.	0.3	2
48	On Stability of Linear Time-Delay Systems with Multiple Time-Varying Delays. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 1384-1387.	0.3	2
49	Fast Regulation Control of a Class of Input-delayed Linear Systems with Pre-feedback. International Journal of Control, Automation and Systems, 2018, 16, 141-149.	2.7	2
50	Robust optimal control during feedback disruption for nonlinear systems controlled by an observer-based output feedback controller. International Journal of Systems Science, 2018, 49, 3390-3405.	5.5	2
51	Regulation of a Class of Nonlinear Systems with Unknown Growth Rate Under Uncertain Measurement Sensitivity. Journal of Electrical Engineering and Technology, 2021, 16, 2767-2775.	2.0	2
52	Improved Controller Design with Two Gain-scaling Factors for Global Asymptotic Stabilization of Nonlinear Systems via Matrix Inequality Approach. International Journal of Control, Automation and Systems, 2021, 19, 3543-3549.	2.7	2
53	Output Feedback Control of a Chain of Integrators under Uncertain AC and DC Sensor Noise. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2013, E96.A, 2275-2278.	0.3	2
54	Memoryless and Adaptive State Feedback Controller for a Chain of Integrators with Unknown Delays in States and Input. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 1881-1884.	0.3	2

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55	Hovering Control Using Î³-sliding Surface of Quadrotor with Uncertain Time-Varying Mass and External Disturbance. Transactions of the Korean Institute of Electrical Engineers, 2020, 69, 1474-1483.	0.1	2
56	Global regulation of a class of nonlinear systems with high-order triangular type nonlinearity. International Journal of Control, Automation and Systems, 2011, 9, 785-790.	2.7	1
57	Adaptive Control of a Chain of Integrators under Unknown Time-Varying Input Delay Using Noisy Output Feedback. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 1795-1799.	0.3	1
58	On asymptotic stabilisation of a chain of integrators with nonlinearity and an uncertain input delay by output feedback. International Journal of Systems Science, 2014, 45, 2637-2644.	5.5	1
59	Bounded control of a ball and beam system in the absence of feedback. , 2017, , .		1
60	Adaptive non-predictor control of lower triangular uncertain nonlinear systems with an unknown time-varying delay in the input. International Journal of Systems Science, 2018, 49, 124-131.	5.5	1
61	On Robust Approximate Feedback Linearization with Non-Trivial Diagonal Terms. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 971-973.	0.3	1
62	Modified bangâ€bang controller for maximal and minimal time optimal control problems. Asian Journal of Control, 2020, 22, 1827-1839.	3.0	1
63	Stabilization of a Class of Feedforward and Non-feedforward Nonlinear Systems with a Large Delay in the Input via LMI Approach. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 1753-1755.	0.3	1
64	Output Feedback Control of a Chain of Integrators with an Uncertain Delay in the Input under Sensor Noise. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2012, E95.A, 2076-2079.	0.3	1
65	On Global Exponential Stabilization of a Class of Nonlinear Systems by Output Feedback via Matrix Inequality Approach. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2013, E96.A, 2034-2038.	0.3	1
66	On asymptotic stabilization of feedback linearizable nonlinear systems with a delay in the input by using sliding-surface. , 2007, , .		0
67	Global exponential stabilization for a class of nonlinear systems by output feedback control with three gainâ€scaling factors. International Journal of Robust and Nonlinear Control, 2021, 31, 1035-1050.	3.7	0
68	Robust Control of a Class of Nonlinear Systems in Presence of Uncertain Time-Varying Parameters Associated with Diagonal Terms via Output Feedback. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, E104.A, 263-274.	0.3	0
69	Global exponential stabilisation of nonlinear systems by reduced-order observer-based output feedback control via matrix inequality approach. International Journal of Systems Science, 2021, 52, 3266-3279.	5.5	0
70	Global Asymptotic Stabilization of Uncertain Nonlinear Systems via System Reconfiguration and Lyapunov Equation Utilization. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 401-404.	0.3	0
71	Output Amplification Feedback Control of an Input-Delayed Chain of Integrators under General Sensor Noise. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 1834-1837.	0.3	0
72	Event-triggered global regulation of an uncertain chain of integrators under unknown time-varying input delay. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, , .	0.3	0

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73	Global asymptotic stabilization of feedforward systems with an uncertain delay in the input by event-triggered control. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2022, , .	0.3	0