

Tae H Lee

List of Publications by Year in descending order

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68
papers

3,319
citations

136885

32
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51
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all docs

76
docs citations

76
times ranked

1655
citing authors

#	ARTICLE	IF	CITATIONS
1	Relaxed conditions for stability of time-varying delay systems. <i>Automatica</i> , 2017, 75, 11-15.	3.0	236
2	A novel Lyapunov functional for stability of time-varying delay systems via matrix-refined-function. <i>Automatica</i> , 2017, 80, 239-242.	3.0	223
3	Stability Analysis of Sampled-Data Systems via Free-Matrix-Based Time-Dependent Discontinuous Lyapunov Approach. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 3653-3657.	3.6	213
4	Extended Dissipative Analysis for Neural Networks With Time-Varying Delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014, 25, 1936-1941.	7.2	169
5	Stochastic sampled-data control for state estimation of time-varying delayed neural networks. <i>Neural Networks</i> , 2013, 46, 99-108.	3.3	164
6	Synchronization of a complex dynamical network with coupling time-varying delays via sampled-data control. <i>Applied Mathematics and Computation</i> , 2012, 219, 1354-1366.	1.4	163
7	Improved criteria for sampled-data synchronization of chaotic Lurâ€™e systems using two new approaches. <i>Nonlinear Analysis: Hybrid Systems</i> , 2017, 24, 132-145.	2.1	152
8	Robust synchronisation of chaotic systems with randomly occurring uncertainties via stochastic sampled-data control. <i>International Journal of Control</i> , 2013, 86, 107-119.	1.2	138
9	New Methods of Fuzzy Sampled-Data Control for Stabilization of Chaotic Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 2026-2034.	5.9	122
10	Stability Analysis of Neural Networks With Time-Varying Delay by Constructing Novel Lyapunov Functionals. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 4238-4247.	7.2	104
11	Improved stability conditions of time-varying delay systems based on new Lyapunov functionals. <i>Journal of the Franklin Institute</i> , 2018, 355, 1176-1191.	1.9	94
12	Stability criteria for BAM neural networks with leakage delays and probabilistic time-varying delays. <i>Applied Mathematics and Computation</i> , 2013, 219, 9408-9423.	1.4	85
13	On stability criteria for neural networks with time-varying delay using Wirtinger-based multiple integral inequality. <i>Journal of the Franklin Institute</i> , 2015, 352, 5627-5645.	1.9	82
14	Guaranteed cost synchronization of a complex dynamical network via dynamic feedback control. <i>Applied Mathematics and Computation</i> , 2012, 218, 6469-6481.	1.4	80
15	Pinning control for cluster synchronisation of complex dynamical networks with semi-Markovian jump topology. <i>International Journal of Control</i> , 2015, 88, 1223-1235.	1.2	78
16	Observer-Based \mathcal{H}_∞ Fault-Tolerant Control for Linear Systems With Sensor and Actuator Faults. <i>IEEE Systems Journal</i> , 2019, 13, 1981-1990.	2.9	77
17	State Estimation for Genetic Regulatory Networks With Mode-Dependent Leakage Delays, Time-Varying Delays, and Markovian Jumping Parameters. <i>IEEE Transactions on Nanobioscience</i> , 2013, 12, 363-375.	2.2	72
18	Dynamic Systems with Time Delays: Stability and Control. , 2019, , .		66

#	ARTICLE	IF	CITATIONS
19	Robust sampled-data control with random missing data scenario. International Journal of Control, 2014, 87, 1957-1969.	1.2	61
20	Dynamic output-feedback-based \mathcal{H}_∞ design for networked control systems with multipath packet dropouts. Applied Mathematics and Computation, 2016, 275, 121-133.	1.4	61
21	Recent Advances in Control and Filtering of Dynamic Systems with Constrained Signals. Studies in Systems, Decision and Control, 2019, , .	0.8	59
22	Decentralized guaranteed cost dynamic control for synchronization of a complex dynamical network with randomly switching topology. Applied Mathematics and Computation, 2012, 219, 996-1010.	1.4	58
23	Mean square exponential synchronization for impulsive coupled neural networks with time-varying delays and stochastic disturbances. Complexity, 2016, 21, 190-202.	0.9	58
24	An improved stability criterion for generalized neural networks with additive time-varying delays. Neurocomputing, 2016, 171, 615-624.	3.5	54
25	Leader-following consensus problem of heterogeneous multi-agent systems with nonlinear dynamics using fuzzy disturbance observer. Complexity, 2014, 19, 20-31.	0.9	52
26	Synchronization of a delayed complex dynamical network with free coupling matrix. Nonlinear Dynamics, 2012, 69, 1081-1090.	2.7	50
27	Network-based \mathcal{H}_∞ state estimation for neural networks using imperfect measurement. Applied Mathematics and Computation, 2018, 316, 205-214.	1.4	47
28	Distributed adaptive pinning control for cluster synchronization of nonlinearly coupled Lur'e networks. Communications in Nonlinear Science and Numerical Simulation, 2016, 39, 7-20.	1.7	44
29	A sliding mode observer for robust fault reconstruction in a class of nonlinear non-infinitely observable descriptor systems. Nonlinear Dynamics, 2020, 101, 1023-1036.	2.7	43
30	Topology and parameters recognition of uncertain complex networks via nonidentical adaptive synchronization. Nonlinear Dynamics, 2016, 85, 2171-2181.	2.7	37
31	Adaptive Functional Projective Lag Synchronization of a Hyperchaotic Rössler System. Chinese Physics Letters, 2009, 26, 090507.	1.3	35
32	Robust \mathcal{H}_∞ decentralized dynamic control for synchronization of a complex dynamical network with randomly occurring uncertainties. Nonlinear Dynamics, 2012, 70, 559-570.	2.7	34
33	Robust passivity based resilient control for networked control systems with random gain fluctuations. International Journal of Robust and Nonlinear Control, 2016, 26, 426-444.	2.1	32
34	Tracking of uncertain stochastic time-delay systems: Memory state-feedback controller design. Applied Mathematics and Computation, 2014, 249, 356-370.	1.4	31
35	Networked control system with asynchronous samplings and quantizations in both transmission and receiving channels. Neurocomputing, 2017, 237, 25-38.	3.5	28
36	Network-based synchronization of Takagi-Sugeno fuzzy chaotic systems with asynchronous samplings. Journal of the Franklin Institute, 2018, 355, 5736-5758.	1.9	25

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37	Synchronization of complex dynamical networks with discontinuous coupling signals. <i>Nonlinear Dynamics</i> , 2015, 79, 1353-1362.	2.7	23
38	Random adaptive control for cluster synchronization of complex networks with distinct communities. <i>International Journal of Adaptive Control and Signal Processing</i> , 2016, 30, 534-549.	2.3	20
39	Robust H_{∞} cost guaranteed integral sliding mode control for the synchronization problem of nonlinear tele-operation system with variable time-delay. <i>ISA Transactions</i> , 2018, 72, 25-36.	3.1	20
40	Secure Communication Through a Chaotic System and a Sliding-Mode Observer. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 1869-1881.	5.9	20
41	Sliding Mode Observer-Based Fault-Tolerant Secondary Control of Microgrids. <i>Electronics (Switzerland)</i> , 2020, 9, 1417.	1.8	19
42	H_{∞} filtering for sample data systems with stochastic sampling and Markovian jumping parameters. <i>Nonlinear Dynamics</i> , 2014, 78, 813-830.	2.7	17
43	An improved stability criterion of neural networks with time-varying delays in the form of quadratic function using novel geometry-based conditions. <i>Applied Mathematics and Computation</i> , 2021, 404, 126226.	1.4	13
44	A Nonlinear Observer for Robust Fault Reconstruction in One-Sided Lipschitz and Quadratically Inner-Bounded Nonlinear Descriptor Systems. <i>IEEE Access</i> , 2021, 9, 22455-22469.	2.6	12
45	Improved Results on Stability of Time-delay Systems using Wirtinger-based Inequality. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014, 47, 6826-6830.	0.4	9
46	Non-fragile observer-based passive control for discrete-time systems with repeated scalar non-linearities. <i>IMA Journal of Mathematical Control and Information</i> , 2016, 33, 893-910.	1.1	7
47	Design of sampled-data controllers for the synchronization of complex dynamical networks under controller attacks. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	5
48	Geometry-based Conditions for a Quadratic Function: Application to Stability of Time-Varying Delay Systems. <i>IEEE Access</i> , 2020, , 1-1.	2.6	4
49	Observer-based fault-tolerant control for non-infinitely observable descriptor systems with unknown time-varying state and input delays. <i>Applied Mathematics and Computation</i> , 2022, 430, 127230.	1.4	4
50	Finite-Time Adaptive Synchronization of One Side Switching Chaotic Systems. , 2014, , .		3
51	Leader-following consensus control for Markovian switching multi-agent systems with interval time-varying delays. , 2013, , .		2
52	State estimation for genetic regulatory networks with time-varying delay using stochastic sampled-data. , 2013, , .		2
53	Improving security in communication switched chaotic systems. , 2015, , .		2
54	Recognizing system parameters in stochastic complex networks using adaptive synchronization. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
55	H _∞ based state feedback robust controller for nonlinear tele-operation system with variable time-delays. , 2017, , .		1
56	Synchronization of Chaos Systems via Sampled-Data Control. Transactions of the Korean Institute of Electrical Engineers, 2012, 61, 617-621.	0.1	1
57	Network based H _∞ filtering via imperfect measurement output. , 2015, , .		0
58	Further results on robust stability of neutral time-delay systems using Wirtinger-based inequality. , 2015, , .		0
59	Sampled-Data Control for a Class of Linear Systems with Randomly Occurring Missing Data. Studies in Systems, Decision and Control, 2019, , 69-84.	0.8	0
60	H _∞ Control for Networked Control Systems with Randomly Occurring Packet Losses and Disturbances. Transactions of the Korean Institute of Electrical Engineers, 2013, 62, 1132-1137.	0.1	0
61	Design of Dissipative Filter for Delayed Nonlinear Interconnected Systems via Takagi-Sugeno Fuzzy Modelling. , 2019, , 271-293.		0
62	Secure Communication Based on Synchronization of Uncertain Chaotic Systems with Propagation Delays. , 2019, , 313-332.		0
63	State Estimation of Genetic Regulatory Networks with Leakage, Constant, and Distributed Time-Delays. , 2019, , 295-311.		0
64	Basics and Preliminaries of Time-Delay Systems. , 2019, , 23-58.		0
65	Stability Analysis for Neural Networks with Time-Varying Delay. , 2019, , 155-176.		0
66	Stability Analysis for Linear Systems with Time-Varying Delay. , 2019, , 123-153.		0
67	Reliable Sampled-Data Control for Synchronization of Chaotic Lur ^e Systems with Actuator Failures. , 2019, , 237-248.		0
68	Design of Dynamic Controller for the Synchronization of Complex Dynamical Networks with a Coupling Delay. , 2019, , 211-235.		0