

Zhenwei Liu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

1,111

citations

12

h-index

33

g-index

91

ext. papers

1,323

ext. citations

3

avg, IF

4.8

L-index

#	Paper	IF	Citations
62	Novel weighting-delay-based stability criteria for recurrent neural networks with time-varying delay. <i>IEEE Transactions on Neural Networks</i> , 2010 , 21, 91-106		346
61	The Small-Signal Stability Analysis of the Droop-Controlled Converter in Electromagnetic Timescale. <i>IEEE Transactions on Sustainable Energy</i> , 2019 , 10, 1459-1469	8.2	110
60	An efficient approach for reducing the conservatism of LMI-based stability conditions for continuous-time TB fuzzy systems. <i>Fuzzy Sets and Systems</i> , 2015 , 263, 71-81	3.7	88
59	Novel delay-dependent robust stability analysis for switched neutral-type neural networks with time-varying delays via SC technique. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 1480-91		80
58	Novel stability analysis for recurrent neural networks with multiple delays via line integral-type L-K functional. <i>IEEE Transactions on Neural Networks</i> , 2010 , 21, 1710-8		79
57	Novel stability criterions of a new fuzzy cellular neural networks with time-varying delays. <i>Neurocomputing</i> , 2009 , 72, 1056-1064	5.4	77
56	Synchronization for coupled neural networks with interval delay: a novel augmented Lyapunov-Krasovskii functional method. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 58-70	10.3	70
55	Stability analysis for linear delayed systems via an optimally dividing delay interval approach. <i>Automatica</i> , 2011 , 47, 2126-2129	5.7	50
54	Sampled-Data Synchronization of Markovian Coupled Neural Networks With Mode Delays Based on Mode-Dependent LKF. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 2626-2637	10.3	38
53	State synchronization of multi-agent systems via static or adaptive nonlinear dynamic protocols. <i>Automatica</i> , 2018 , 95, 316-327	5.7	18
52	Delay-dependent resilient-robust stabilisation of uncertain networked control systems with variable sampling intervals. <i>International Journal of Systems Science</i> , 2014 , 45, 497-508	2.3	17
51	Do the dependency conflicts in my project matter? 2018 ,		14
50	Model-free optimal controller design for continuous-time nonlinear systems by adaptive dynamic programming based on a precompensator. <i>ISA Transactions</i> , 2015 , 57, 63-70	5.5	12
49	Passivity based state synchronization of homogeneous discrete-time multi-agent systems via static protocol in the presence of input delay. <i>European Journal of Control</i> , 2018 , 41, 16-24	2.5	10
48	Passivity-based state synchronization of homogeneous multiagent systems via static protocol in the presence of input saturation. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 2720-2741	3.6	10
47	Novel compensation-based non-fragile H_{∞} control for uncertain neutral systems with time-varying delays. <i>International Journal of Systems Science</i> , 2012 , 43, 961-971	2.3	10
46	Almost state synchronization for homogeneous networks of non-introspective agents: A scale-free protocol design. <i>Automatica</i> , 2020 , 122, 109276	5.7	9

45	Qualitative Analysis and Control of Complex Neural Networks with Delays. <i>Studies in Systems, Decision and Control</i> , 2016 ,	0.8	6
44	Could I Have a Stack Trace to Examine the Dependency Conflict Issue? 2019 ,		5
43	Global regulated state synchronization for homogeneous networks of non-introspective agents in presence of input saturation: Scale-free nonlinear and linear protocol designs. <i>Automatica</i> , 2020 , 119, 109041	5.7	5
42	Solvability conditions and design for synchronization of discrete-time multiagent systems. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 1381-1401	3.6	5
41	Squared-down passivityBased state synchronization of homogeneous continuous-time multiagent systems via static protocol in the presence of time-varying topology. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 3821	3.6	4
40	Static output feedback stabilization for systems with time-varying delay based on a matrix transformation method. <i>Science China Information Sciences</i> , 2015 , 58, 1-13	3.4	4
39	Solvability conditions and design for H_2 almost state synchronization of homogeneous multi-agent systems. <i>European Journal of Control</i> , 2019 , 46, 36-48	2.5	4
38	Antagonistic Interactions-Based Adaptive Event-Triggered Bipartite Consensus Quantized Control for Stochastic Multiagent Systems. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	4
37	Scale-free Cooperative Control of Inverter-based Microgrids with General Time-varying Communication Graphs. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	4
36	H_2 and H_∞ almost output synchronization of heterogeneous continuous-time multi-agent systems with passive agents and partial-state coupling via static protocol. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 6244-6255	3.6	3
35	Delayed state synchronization of continuous-time multi-agent systems in the presence of unknown communication delays 2019 ,		3
34	Output and Regulated Output Synchronization of Heterogeneous Multi-agent Systems: A Scale-free Protocol Design using no Information about Communication Network and the Number of Agents 2020 ,		2
33	Regulated State Synchronization for Homogeneous Networks of Non-introspective Agents in Presence of Input Delays: A Scale-Free Protocol Design 2020 ,		2
32	Scale-free protocol design for regulated state synchronization of homogeneous multi-agent systems with unknown and non-uniform input delays. <i>Systems and Control Letters</i> , 2021 , 152, 104927	2.4	2
31	Delayed state synchronization of homogeneous discrete-time multi-agent systems in the presence of unknown communication delays 2019 ,		2
30	Squared-down passivity based H_∞ almost synchronization of homogeneous continuous-time multi-agent systems with partial-state coupling via static protocol 2018 ,		2
29	Adaptive Synchronization of Complex Neural Networks. <i>Studies in Systems, Decision and Control</i> , 2016 , 361-383	0.8	1
28	Introduction to Neural Networks. <i>Studies in Systems, Decision and Control</i> , 2016 , 1-36	0.8	1

27	Survey of Dynamics of Cohen-Grossberg-Type RNNs. <i>Studies in Systems, Decision and Control</i> , 2016 , 91-170.8		1
26	Dissipativity and Invariant Sets for Neural Networks with Delay. <i>Studies in Systems, Decision and Control</i> , 2016 , 277-309	0.8	1
25	Greedy iterative DHP algorithm-based near-optimal control for a class of nonlinear descriptor systems with actuator saturating 2010 ,		1
24	Scale-free Design for Delayed Regulated Synchronization of Discrete-time Heterogeneous Multi-agent Systems subject to Unknown Non-uniform and Arbitrarily Large Communication Delays 2021 ,		1
23	H ₁ and H ₂ almost output and regulated output synchronization of heterogeneous multi-agent systems: A scale-free protocol design. <i>Journal of the Franklin Institute</i> , 2021 , 358, 9841-9841	4	1
22	Regulated State Synchronization of Homogeneous Discrete-Time Multi-Agent Systems via Partial State Coupling in Presence of Unknown Communication Delays. <i>IEEE Access</i> , 2019 , 7, 7021-7031	3.5	1
21	Optimal Energy Operation Strategy for We-Energy of Energy Internet Based on Hybrid Reinforcement Learning With Human-in-the-Loop. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-11	7.3	1
20	Scale-free protocol design for delayed regulated synchronization of multi-agent systems subject to unknown, nonuniform, and arbitrarily large communication delays. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 6369-6391	3.6	1
19	Scale-free collaborative protocol design for state and regulated state synchronization of multi-agent systems with arbitrary fast convergence. <i>Journal of the Franklin Institute</i> , 2021 , 358, 4864-4882	4.8	1
18	H ₁ distributed frequency control with unknown communication delays and parametric uncertainties. <i>International Transactions on Electrical Energy Systems</i> , e13082	2.2	1
17	State synchronization of a class of homogeneous linear multi-agent systems in the presence of unknown input delays via static protocols. <i>European Journal of Control</i> , 2019 , 47, 20-29	2.5	0
16	Optimal Real-Time Price in Smart Grid via Recurrent Neural Network. <i>Lecture Notes in Computer Science</i> , 2016 , 152-159	0.9	0
15	Synchronization Stability in Complex Neural Networks. <i>Studies in Systems, Decision and Control</i> , 2016 , 311-331	0.8	
14	Stabilization of Stochastic RNNs with Stochastic Delays. <i>Studies in Systems, Decision and Control</i> , 2016 , 333-360	0.8	
13	Delay-Partitioning-Method Based Stability Results for RNNs. <i>Studies in Systems, Decision and Control</i> , 2016 , 173-204	0.8	
12	LMI-based Passivity Criteria for RNNs with Delays. <i>Studies in Systems, Decision and Control</i> , 2016 , 259-276.8	0.8	
11	LMI-Based Stability Criteria for Static Neural Networks. <i>Studies in Systems, Decision and Control</i> , 2016 , 225-237	0.8	
10	Regulated state synchronization of homogeneous multiagent systems with partial-state coupling via low-gain adaptive protocol. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 3518-3528	3.6	

9	Stability Criteria for RNNs Based on Secondary Delay Partitioning. <i>Studies in Systems, Decision and Control</i> , 2016 , 205-224	0.8
8	Multiple Stability for Discontinuous RNNs. <i>Studies in Systems, Decision and Control</i> , 2016 , 239-257	0.8
7	Preliminaries on Dynamical Systems and Stability Theory. <i>Studies in Systems, Decision and Control</i> , 2016 , 37-90	0.8
6	Stability of Genetic Regulatory Networks with Multiple Delays via a New Functional. <i>Lecture Notes in Computer Science</i> , 2010 , 512-519	0.9
5	Fault Diagnosis for Smart Grid by a Hybrid Method of Rough Sets and Neural Network. <i>Communications in Computer and Information Science</i> , 2011 , 577-582	0.3
4	Squared-down passivity-based H_∞ and H_2 almost synchronization of homogeneous continuous-time multi-agent systems with partial-state coupling via static protocol. <i>European Journal of Control</i> , 2020 , 54, 73-86	2.5
3	Distributed Cooperative Voltage Control of Multiterminal High-Voltage DC Systems. <i>IEEE Systems Journal</i> , 2020 , 1-9	4.3
2	Scale-free Collaborative Protocol Design for Output Synchronization of Heterogeneous Multi-agent Systems with Nonuniform Communication Delays. <i>IEEE Transactions on Network Science and Engineering</i> , 2022 , 1-1	4.9
1	Scale-free Collaborative Protocol Design for State Synchronization of Multi-agent Systems in Presence of Unknown Nonuniform and Arbitrarily Large Communication Delays. <i>European Journal of Control</i> , 2022 , 100660	2.5