

Ngoc Thanh Pham

List of Publications by Year in descending order

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75
papers

1,889
citations

279798

23
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289244

40
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75
all docs

75
docs citations

75
times ranked

1414
citing authors

#	ARTICLE	IF	CITATIONS
1	Load Frequency Control of Power Systems With Electric Vehicles and Diverse Transmission Links Using Distributed Functional Observers. IEEE Transactions on Smart Grid, 2016, 7, 238-252.	9.0	162
2	Functional Observers for Dynamical Systems. Lecture Notes in Control and Information Sciences, 2012, , .	1.0	132
3	Exponential stability of time-delay systems via new weighted integral inequalities. Applied Mathematics and Computation, 2016, 275, 335-344.	2.2	121
4	Refined Jensenâ€based inequality approach to stability analysis of timeâ€delay systems. IET Control Theory and Applications, 2015, 9, 2188-2194.	2.1	112
5	Particle Filter Approach to Dynamic State Estimation of Generators in Power Systems. IEEE Transactions on Power Systems, 2015, 30, 2665-2675.	6.5	91
6	Stability of fractionalâ€order nonlinear systems by Lyapunov direct method. IET Control Theory and Applications, 2018, 12, 2417-2422.	2.1	70
7	Static Output Feedback Frequency Stabilization of Time-Delay Power Systems With Coordinated Electric Vehicles State of Charge Control. IEEE Transactions on Power Systems, 2017, 32, 3862-3874.	6.5	61
8	Reducedâ€order observer design for oneâ€sided Lipschitz timeâ€delay systems subject to unknown inputs. IET Control Theory and Applications, 2016, 10, 1097-1105.	2.1	55
9	Novel Criteria for Exponential Stability of Linear Neutral Time-Varying Differential Systems. IEEE Transactions on Automatic Control, 2016, 61, 1590-1594.	5.7	55
10	An Approach for Wind Power Integration Using Demand Side Resources. IEEE Transactions on Sustainable Energy, 2013, 4, 917-924.	8.8	53
11	New results on state bounding for discreteâ€time systems with interval timeâ€varying delay and bounded disturbance inputs. IET Control Theory and Applications, 2014, 8, 1405-1414.	2.1	48
12	Robust observer design for uncertain oneâ€sided Lipschitz systems with disturbances. International Journal of Robust and Nonlinear Control, 2018, 28, 1366-1380.	3.7	39
13	Robust fault reconstruction for a class of infinitely unobservable descriptor systems. International Journal of Systems Science, 2017, 48, 1646-1655.	5.5	38
14	A Linearized Stability Theorem for Nonlinear Delay Fractional Differential Equations. IEEE Transactions on Automatic Control, 2018, 63, 3180-3186.	5.7	35
15	Observer-Based Control of 2-D Markov Jump Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 1322-1326.	3.0	30
16	Integration of electric vehicles for load frequency output feedback H_{∞} control of smart grids. IET Generation, Transmission and Distribution, 2016, 10, 3341-3352.	2.5	28
17	Quasi-Decentralized Functional Observers for the LFC of Interconnected Power Systems. IEEE Transactions on Power Systems, 2013, 28, 3513-3514.	6.5	27
18	Convergence within a polyhedron: controller design for timeâ€delay systems with bounded disturbances. IET Control Theory and Applications, 2015, 9, 905-914.	2.1	27

#	ARTICLE	IF	CITATIONS
19	A system decomposition approach to the design of functional observers. International Journal of Control, 2014, 87, 1846-1860.	1.9	26
20	Stability of two-dimensional Roesser systems with time-varying delays via novel 2D finite-sum inequalities. IET Control Theory and Applications, 2016, 10, 1665-1674.	2.1	26
21	Delay-dependent stability and stabilisation of two-dimensional positive Markov jump systems with delays. IET Control Theory and Applications, 2017, 11, 1603-1610.	2.1	26
22	Forming a Reliable Hybrid Microgrid Using Electric Spring Coupled With Non-Sensitive Loads and ESS. IEEE Transactions on Smart Grid, 2020, 11, 2867-2879.	9.0	26
23	A Non-Contact Measurement System for the Range of Motion of the Hand. Sensors, 2015, 15, 18315-18333.	3.8	25
24	An Unscented Particle Filtering Approach to Decentralized Dynamic State Estimation for DFIG Wind Turbines in Multi-Area Power Systems. IEEE Transactions on Power Systems, 2020, 35, 2670-2682.	6.5	25
25	A Robust Local Positive Feedback Based Performance Enhancement Strategy for Non-Recycling Folded Cascode OTA. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 2897-2908.	5.4	25
26	Exponential Stability of Two-Dimensional Homogeneous Monotone Systems With Bounded Directional Delays. IEEE Transactions on Automatic Control, 2018, 63, 2694-2700.	5.7	24
27	Distributed Functional Observer Based Fault Detection for Interconnected Time-Delay Systems. IEEE Systems Journal, 2019, 13, 940-951.	4.6	23
28	Observer design for positive fractional-order interconnected time-delay systems. Transactions of the Institute of Measurement and Control, 2019, 41, 378-391.	1.7	22
29	Sliding mode observer for estimating states and faults of linear time-delay systems with outputs subject to delays. Automatica, 2021, 124, 109274.	5.0	22
30	Distributed Control of HVDC Links for Primary Frequency Control of Time-Delay Power Systems. IEEE Transactions on Power Systems, 2019, 34, 1301-1314.	6.5	20
31	Distributed Functional Interval Observers for Nonlinear Interconnected Systems With Time-Delays and Additive Disturbances. IEEE Systems Journal, 2021, 15, 411-422.	4.6	20
32	Full-Order observer design for nonlinear complex large-scale systems with unknown time-varying delayed interactions. Complexity, 2015, 21, 123-133.	1.6	18
33	Stability analysis of fractional differential time-delay equations. IET Control Theory and Applications, 2017, 11, 1006-1015.	2.1	18
34	Observers Design for 2-D Positive Time-Delay Roesser Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 476-480.	3.0	18
35	Method for computing state transformations of time-delay systems. IET Control Theory and Applications, 2015, 9, 2405-2413.	2.1	17
36	On reachable set estimation of two-dimensional systems described by the Roesser model with time-varying delays. International Journal of Robust and Nonlinear Control, 2018, 28, 227-246.	3.7	17

#	ARTICLE	IF	CITATIONS
37	Decentralized bounded input bounded output stabilization of perturbed interconnected time-delay power systems with energy storages. International Journal of Electrical Power and Energy Systems, 2017, 93, 51-64.	5.5	16
38	Delay-Dependent Energy-to-Peak Stability of 2-D Time-Delay Roesser Systems With Multiplicative Stochastic Noises. IEEE Transactions on Automatic Control, 2019, 64, 5066-5073.	5.7	16
39	On Static and Dynamic Triggered Mechanisms for Event-Triggered Control of Uncertain Systems. Circuits, Systems, and Signal Processing, 2020, 39, 5020-5038.	2.0	16
40	New results in robust functional state estimation using two sliding mode observers in cascade. International Journal of Robust and Nonlinear Control, 2014, 24, 2079-2097.	3.7	14
41	Interval Functional Observers Design for Time-Delay Systems Under Stealthy Attacks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 5101-5112.	5.4	14
42	Controllability Analysis and Verification for High-Order DC-DC Converters Using Switched Linear Systems Theory. IEEE Transactions on Power Electronics, 2021, 36, 9678-9688.	7.9	14
43	Four Novel Embedded Z-Source DC-DC Converters. IEEE Transactions on Power Electronics, 2022, 37, 607-616.	7.9	14
44	On the Existence and Design of Functional Observers for Linear Systems. , 2007, , .		13
45	Partial state bounding with a pre-specified time of non-linear discrete systems with time-varying delays. IET Control Theory and Applications, 2016, 10, 1496-1502.	2.1	13
46	Reachable sets bounding for generalized neural networks with interval time-varying delay and bounded disturbances. Neural Computing and Applications, 2018, 29, 783-794.	5.6	12
47	Design of Observers for Positive Systems With Delayed Input and Output Information. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 107-111.	3.0	12
48	A Nonlinear Observer for Robust Fault Reconstruction in One-Sided Lipschitz and Quadratically Inner-Bounded Nonlinear Descriptor Systems. IEEE Access, 2021, 9, 22455-22469.	4.2	12
49	Event-Triggered Functional Observer Design With ϵ -Convergence for Interconnected Systems. IEEE Systems Journal, 2022, 16, 2217-2228.	4.6	10
50	Event-triggered state estimation for recurrent neural networks with unknown time-varying delays. International Journal of Robust and Nonlinear Control, 2022, 32, 6267-6281.	3.7	10
51	Stability Analysis of Nonlinear Time-Delay Systems Using a Novel Piecewise Positive Systems Method. IEEE Transactions on Automatic Control, 2018, 63, 291-297.	5.7	9
52	Interval functional observers for time-delay systems with additive disturbances. International Journal of Adaptive Control and Signal Processing, 2020, 34, 1281-1293.	4.1	9
53	Square-Root Sigma-Point Filtering Approach to State Estimation for Wind Turbine Generators in Interconnected Energy Systems. IEEE Systems Journal, 2021, 15, 1557-1566.	4.6	9
54	Detecting and isolating false data injection attacks on electric vehicles of smart grids using distributed functional observers. IET Generation, Transmission and Distribution, 2021, 15, 762-779.	2.5	9

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55	Robust state estimation for non-linear systems with unknown delays. IET Control Theory and Applications, 2019, 13, 1147-1154.	2.1	8
56	Prediction-based approach to stabilization of 2-D continuous-time Roesser systems with directional input delays. Journal of the Franklin Institute, 2020, 357, 4779-4794.	3.4	8
57	Reachable Set Estimation for S Fuzzy Markov Jump Systems With Time-Varying Delays via Membership Function Dependent H _∞ Performance. IEEE Transactions on Fuzzy Systems, 2022, 30, 4980-4990.	9.8	8
58	Functional Observability. , 2010, , .		7
59	Event-Triggered Mechanism for Multiple Frequency Services of Electric Vehicles in Smart Grids. IEEE Transactions on Power Systems, 2022, 37, 967-981.	6.5	7
60	Static output feedback control of positive linear systems with output time delays. International Journal of Systems Science, 2019, 50, 2815-2823.	5.5	6
61	Global attractivity and asymptotic stability of mixed-order fractional systems. IET Control Theory and Applications, 2020, 14, 1240-1245.	2.1	5
62	Numerical implementation of a Functional Observability algorithm: A Singular Value Decomposition Approach. , 2010, , .		4
63	New results in common functional state estimation for two linear systems with unknown inputs. International Journal of Control, Automation and Systems, 2015, 13, 1538-1543.	2.7	4
64	On contraction of nonlinear difference equations with time-varying delays. Mathematische Nachrichten, 2019, 292, 859-870.	0.8	4
65	Nonfragile sampled-data H_{∞} control design for high-speed train with parametric uncertainties. International Journal of Robust and Nonlinear Control, 2021, 31, 1021-1034.	3.7	4
66	Operation optimization of wind-thermal systems considering emission problem. , 2014, , .		3
67	Functional observers design for positive systems with delays and unknown inputs. IET Control Theory and Applications, 2020, 14, 1656-1661.	2.1	3
68	Exponential stabilization via tracking convergent rate in load frequency control of multi-area power systems with diverse communication delays. International Journal of Dynamics and Control, 2022, 10, 107-121.	2.5	3
69	Observer-Based Control Design for Nonlinear Systems With Unknown Delays. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1327-1331.	3.0	3
70	Dynamic event-triggered distributed interval functional observers for interconnected systems. Asian Journal of Control, 2023, 25, 2194-2203.	3.0	3
71	Non-linear observer design for a class of singular time-delay systems with Lipschitz non-linearities. IMA Journal of Mathematical Control and Information, 0, , dnw006.	1.7	2
72	Design of distributed functional observers for interconnected time-delay systems. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
73	Low-order estimation scheme for large-scale systems with interconnection delays. , 2014, , .		1
74	Robust observer design for a class of one-sided lipschitz systems subject to time delays and disturbances in both plants and outputs. , 2016, , .		1
75	Stability of 2-D Characteristic Polynomials. , 2007, , .		0