

# Ngoc Thanh Pham

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

1,889  
citations

279798

23  
h-index

289244

40  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1414  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Dynamic event-triggered distributed interval functional observers for interconnected systems. Asian Journal of Control, 2023, 25, 2194-2203.  | 3.0 | 3         |
| 2  | Event-Triggered Functional Observer Design With $\epsilon$ -Convergence for Interconnected Systems. IEEE Systems Journal, 2022, 16, 2217-2228.  | 4.6 | 10        |
| 3  | 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         |
| 4  | 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         |
| 5  | Four Novel Embedded Z-Source DC-DC Converters. IEEE Transactions on Power Electronics, 2022, 37, 607-616.   | 7.9 | 14        |
| 6  | 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         |
| 7  | Reachable Set Estimation for S Fuzzy Markov Jump Systems With Time-Varying Delays via Membership Function Dependent $H_\infty$ Performance. IEEE Transactions on Fuzzy Systems, 2022, 30, 4980-4990.              | 9.8 | 8         |
| 8  | 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        |
| 9  | 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         |
| 10 | Distributed Functional Interval Observers for Nonlinear Interconnected Systems With Time-Delays and Additive Disturbances. IEEE Systems Journal, 2021, 15, 411-422.   | 4.6 | 20        |
| 11 | Nonfragile sampled-data $H_\infty$ control design for high-speed train with parametric uncertainties. International Journal of Robust and Nonlinear Control, 2021, 31, 1021-1034.                                 | 3.7 | 4         |
| 12 | 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        |
| 13 | 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        |
| 14 | 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        |
| 15 | 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         |
| 16 | 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        |
| 17 | Functional observers design for positive systems with delays and unknown inputs. IET Control Theory and Applications, 2020, 14, 1656-1661.  | 2.1 | 3         |
| 18 | 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         |

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|----|---|-----|-----------|
| 19 | 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        |
| 20 | 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         |
| 21 | 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        |
| 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 | 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        |
| 24 | Global attractivity and asymptotic stability of mixed-order fractional systems. IET Control Theory and Applications, 2020, 14, 1240-1245.   | 2.1 | 5         |
| 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 | Robust state estimation for non-linear systems with unknown delays. IET Control Theory and Applications, 2019, 13, 1147-1154.   | 2.1 | 8         |
| 27 | 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        |
| 28 | Static output feedback control of positive linear systems with output time delays. International Journal of Systems Science, 2019, 50, 2815-2823.   | 5.5 | 6         |
| 29 | On contraction of nonlinear difference equations with time-varying delays. Mathematische Nachrichten, 2019, 292, 859-870.   | 0.8 | 4         |
| 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 Observer Based Fault Detection for Interconnected Time-Delay Systems. IEEE Systems Journal, 2019, 13, 940-951.   | 4.6 | 23        |
| 32 | 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        |
| 33 | A Linearized Stability Theorem for Nonlinear Delay Fractional Differential Equations. IEEE Transactions on Automatic Control, 2018, 63, 3180-3186.  | 5.7 | 35        |
| 34 | Exponential Stability of Two-Dimensional Homogeneous Monotone Systems With Bounded Directional Delays. IEEE Transactions on Automatic Control, 2018, 63, 2694-2700.                             | 5.7 | 24        |
| 35 | 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        |
| 36 | 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        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | 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        |
| 38 | 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         |
| 39 | Robust observer design for uncertain one-sided Lipschitz systems with disturbances. International Journal of Robust and Nonlinear Control, 2018, 28, 1366-1380.  | 3.7 | 39        |
| 40 | Stability of fractional-order nonlinear systems by Lyapunov direct method. IET Control Theory and Applications, 2018, 12, 2417-2422.   | 2.1 | 70        |
| 41 | Robust fault reconstruction for a class of infinitely unobservable descriptor systems. International Journal of Systems Science, 2017, 48, 1646-1655.  | 5.5 | 38        |
| 42 | 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        |
| 43 | Stability analysis of fractional differential time-delay equations. IET Control Theory and Applications, 2017, 11, 1006-1015.  | 2.1 | 18        |
| 44 | 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        |
| 45 | 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        |
| 46 | 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        |
| 47 | Robust observer design for a class of one-sided lipschitz systems subject to time delays and disturbances in both plants and outputs. , 2016, , .  |     | 1         |
| 48 | 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        |
| 49 | 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        |
| 50 | Integration of electric vehicles for load frequency output feedback $H^\infty$ control of smart grids. IET Generation, Transmission and Distribution, 2016, 10, 3341-3352.   | 2.5 | 28        |
| 51 | Reduced-order observer design for one-sided Lipschitz time-delay systems subject to unknown inputs. IET Control Theory and Applications, 2016, 10, 1097-1105.  | 2.1 | 55        |
| 52 | Novel Criteria for Exponential Stability of Linear Neutral Time-Varying Differential Systems. IEEE Transactions on Automatic Control, 2016, 61, 1590-1594.   | 5.7 | 55        |
| 53 | Exponential stability of time-delay systems via new weighted integral inequalities. Applied Mathematics and Computation, 2016, 275, 335-344.   | 2.2 | 121       |
| 54 | 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       |

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|----|---|-----|-----------|
| 55 | A Non-Contact Measurement System for the Range of Motion of the Hand. <i>Sensors</i> , 2015, 15, 18315-18333.   | 3.8 | 25        |
| 56 | Convergence within a polyhedron: controller design for time-delay systems with bounded disturbances. <i>IET Control Theory and Applications</i> , 2015, 9, 905-914.                       | 2.1 | 27        |
| 57 | New results in common functional state estimation for two linear systems with unknown inputs. <i>International Journal of Control, Automation and Systems</i> , 2015, 13, 1538-1543.      | 2.7 | 4         |
| 58 | Refined Jensen-based inequality approach to stability analysis of time-delay systems. <i>IET Control Theory and Applications</i> , 2015, 9, 2188-2194.                                    | 2.1 | 112       |
| 59 | Method for computing state transformations of time-delay systems. <i>IET Control Theory and Applications</i> , 2015, 9, 2405-2413.  | 2.1 | 17        |
| 60 | Particle Filter Approach to Dynamic State Estimation of Generators in Power Systems. <i>IEEE Transactions on Power Systems</i> , 2015, 30, 2665-2675.                                     | 6.5 | 91        |
| 61 | Full-Order observer design for nonlinear complex large-scale systems with unknown time-varying delayed interactions. <i>Complexity</i> , 2015, 21, 123-133.                               | 1.6 | 18        |
| 62 | Low-order estimation scheme for large-scale systems with interconnection delays. , 2014, , .  |     | 1         |
| 63 | Operation optimization of wind-thermal systems considering emission problem. , 2014, , .  |     | 3         |
| 64 | New results on state bounding for discrete-time systems with interval time-varying delay and bounded disturbance inputs. <i>IET Control Theory and Applications</i> , 2014, 8, 1405-1414. | 2.1 | 48        |
| 65 | A system decomposition approach to the design of functional observers. <i>International Journal of Control</i> , 2014, 87, 1846-1860.   | 1.9 | 26        |
| 66 | New results in robust functional state estimation using two sliding mode observers in cascade. <i>International Journal of Robust and Nonlinear Control</i> , 2014, 24, 2079-2097.        | 3.7 | 14        |
| 67 | Quasi-Decentralized Functional Observers for the LFC of Interconnected Power Systems. <i>IEEE Transactions on Power Systems</i> , 2013, 28, 3513-3514.                                    | 6.5 | 27        |
| 68 | Design of distributed functional observers for interconnected time-delay systems. , 2013, , .   |     | 1         |
| 69 | An Approach for Wind Power Integration Using Demand Side Resources. <i>IEEE Transactions on Sustainable Energy</i> , 2013, 4, 917-924.  | 8.8 | 53        |
| 70 | Functional Observers for Dynamical Systems. <i>Lecture Notes in Control and Information Sciences</i> , 2012, , .  | 1.0 | 132       |
| 71 | Numerical implementation of a Functional Observability algorithm: A Singular Value Decomposition Approach. , 2010, , .  |     | 4         |
| 72 | Functional Observability. , 2010, , .   |     | 7         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | On the Existence and Design of Functional Observers for Linear Systems. , 2007, , .   |     | 13        |
| 74 | Stability of 2-D Characteristic Polynomials. , 2007, , .  |     | 0         |
| 75 | 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         |