

Hieu M Trinh

List of Publications by Citations

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212
papers

4,018
citations

34
h-index

49
g-index

231
ext. papers

4,917
ext. citations

3.6
avg, IF

6.39
L-index

#	Paper	IF	Citations
212	State and input simultaneous estimation for a class of nonlinear systems. <i>Automatica</i> , 2004 , 40, 1779-1785	9.7	191
211	Load Frequency Control of Power Systems With Electric Vehicles and Diverse Transmission Links Using Distributed Functional Observers. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 238-252	10.7	109
210	Discrete Wirtinger-based inequality and its application. <i>Journal of the Franklin Institute</i> , 2015 , 352, 1893-1905	10.7	107
209	Refined Jensen-based inequality approach to stability analysis of time-delay systems. <i>IET Control Theory and Applications</i> , 2015 , 9, 2188-2194	2.5	95
208	Functional Observability and the Design of Minimum Order Linear Functional Observers. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 1268-1273	5.9	89
207	Functional Observers for Dynamical Systems. <i>Lecture Notes in Control and Information Sciences</i> , 2012 ,	0.5	84
206	Exponential stabilization of neural networks with various activation functions and mixed time-varying delays. <i>IEEE Transactions on Neural Networks</i> , 2010 , 21, 1180-4		78
205	Exponential stability of time-delay systems via new weighted integral inequalities. <i>Applied Mathematics and Computation</i> , 2016 , 275, 335-344	2.7	77
204	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	10.3	73
203	A new approach to state bounding for linear time-varying systems with delay and bounded disturbances. <i>Automatica</i> , 2014 , 50, 1735-1738	5.7	69
202	Load-frequency control of interconnected power systems via constrained feedback control schemes. <i>Computers and Electrical Engineering</i> , 1994 , 20, 71-88	4.3	62
201	Two-mode overconstrained three-DOFs rotational-translational linear-motor-based parallel-kinematics mechanism for machine tool applications. <i>Robotica</i> , 2007 , 25, 461-466	2.1	60
200	Particle Filter Approach to Dynamic State Estimation of Generators in Power Systems. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 2665-2675	7	58
199	Linear functional state observer for time-delay systems. <i>International Journal of Control</i> , 1999 , 72, 1642-1658	10.5	49
198	An enhanced stability criterion for time-delay systems via a new bounding technique. <i>Journal of the Franklin Institute</i> , 2015 , 352, 4407-4422	4	47
197	New generalized Halanay inequalities with applications to stability of nonlinear non-autonomous time-delay systems. <i>Nonlinear Dynamics</i> , 2015 , 82, 563-575	5	46
196	Stability of fractional-order nonlinear systems by Lyapunov direct method. <i>IET Control Theory and Applications</i> , 2018 , 12, 2417-2422	2.5	45

195	Novel Criteria for Exponential Stability of Linear Neutral Time-Varying Differential Systems. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 1590-1594	5.9	44
194	Discrete inequalities based on multiple auxiliary functions and their applications to stability analysis of time-delay systems. <i>Journal of the Franklin Institute</i> , 2015 , 352, 5810-5831	4	43
193	Reduced-order observer design for one-sided Lipschitz time-delay systems subject to unknown inputs. <i>IET Control Theory and Applications</i> , 2016 , 10, 1097-1105	2.5	43
192	New inequality-based approach to passivity analysis of neural networks with interval time-varying delay. <i>Neurocomputing</i> , 2016 , 194, 301-307	5.4	43
191	An Approach for Wind Power Integration Using Demand Side Resources. <i>IEEE Transactions on Sustainable Energy</i> , 2013 , 4, 917-924	8.2	42
190	Existence Conditions for Functional Observability From an Eigenspace Perspective. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 2957-2961	5.9	42
189	Dynamic output feedback sliding-mode control using pole placement and linear functional observers. <i>IEEE Transactions on Industrial Electronics</i> , 2003 , 50, 1030-1037	8.9	40
188	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	2.5	39
187	Reachable set bounding for nonlinear perturbed time-delay systems: The smallest bound. <i>Applied Mathematics Letters</i> , 2015 , 43, 68-71	3.5	38
186	Design of linear functional observers for linear systems with unknown inputs. <i>International Journal of Systems Science</i> , 2000 , 31, 741-749	2.3	38
185	. <i>IEEE Transactions on Automatic Control</i> , 1994 , 39, 1948-1951	5.9	38
184	Static Output Feedback Frequency Stabilization of Time-Delay Power Systems With Coordinated Electric Vehicles State of Charge Control. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 3862-3874	7	37
183	Existence conditions for unknown input functional observers. <i>International Journal of Control</i> , 2013 , 86, 22-28	1.5	37
182	Disturbance Decoupled Observers for Systems With Unknown Inputs. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 2397-2402	5.9	37
181	Asymmetrical three-DOFs rotational-translational parallel-kinematics mechanisms based on Lie group theory. <i>European Journal of Mechanics, A/Solids</i> , 2006 , 25, 550-558	3.7	34
180	An observer design procedure for a class of nonlinear time-delay systems. <i>Computers and Electrical Engineering</i> , 2004 , 30, 61-71	4.3	34
179	Determining the size of PHEV charging stations powered by commercial grid-integrated PV systems considering reactive power support. <i>Applied Energy</i> , 2016 , 183, 160-169	10.7	34
178	New finite-sum inequalities with applications to stability of discrete time-delay systems. <i>Automatica</i> , 2016 , 71, 197-201	5.7	33

177	A memoryless state observer for discrete time-delay systems. <i>IEEE Transactions on Automatic Control</i> , 1997 , 42, 1572-1577	5.9	33
176	State and fault estimation for a class of non-infinitely observable descriptor systems using two sliding mode observers in cascade. <i>Journal of the Franklin Institute</i> , 2019 , 356, 3010-3029	4	32
175	Design of unknown input functional observers for nonlinear systems with application to fault diagnosis. <i>Journal of Process Control</i> , 2013 , 23, 1169-1184	3.9	32
174	Reduced-order linear functional observer for linear systems. <i>IET Control Theory and Applications</i> , 1999 , 146, 399-405		31
173	Unknown input observer design for one-sided Lipschitz discrete-time systems subject to time-delay. <i>Applied Mathematics and Computation</i> , 2016 , 286, 57-71	2.7	31
172	Robust observer design for uncertain one-sided Lipschitz systems with disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 1366-1380	3.6	30
171	. <i>IEEE Transactions on Automatic Control</i> , 1995 , 40, 914-916	5.9	30
170	Partial state estimation for linear systems with output and input time delays. <i>ISA Transactions</i> , 2014 , 53, 327-34	5.5	29
169	Design of Reduced-Order Positive Linear Functional Observers for Positive Time-Delay Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2017 , 64, 555-559	3.5	29
168	State and Input Simultaneous Estimation for a Class of Time-Delay Systems With Uncertainties. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2007 , 54, 527-531		29
167	Partial-State Observers for Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2006 , 51, 1808-1812	5.9	29
166	Robust fault reconstruction for a class of non-infinitely observable descriptor systems using two sliding mode observers in cascade. <i>Applied Mathematics and Computation</i> , 2019 , 350, 78-92	2.7	27
165	Robust fault reconstruction for a class of infinitely unobservable descriptor systems. <i>International Journal of Systems Science</i> , 2017 , 48, 1646-1655	2.3	26
164	On robustness and stabilization of linear systems with delayed nonlinear perturbations. <i>IEEE Transactions on Automatic Control</i> , 1997 , 42, 1005-1007	5.9	26
163	On Global Dissipativity of Nonautonomous Neural Networks With Multiple Proportional Delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 225-231	10.3	25
162	Bounded state estimation for time-delay systems with bounded disturbances. <i>International Journal of Control</i> , 2014 , 87, 1747-1756	1.5	25
161	Time-Delay Systems: Design of Delay-Free and Low-Order Observers. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 2434-2438	5.9	24
160	Observer-Based Control of 2-D Markov Jump Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2017 , 64, 1322-1326	3.5	23

159	A functional observer based fault detection technique for dynamical systems. <i>Journal of the Franklin Institute</i> , 2015 , 352, 2113-2128	4	23
158	Convergence within a polyhedron: controller design for time-delay systems with bounded disturbances. <i>IET Control Theory and Applications</i> , 2015 , 9, 905-914	2.5	23
157	Robust stability of singularly perturbed discrete-delay systems. <i>IEEE Transactions on Automatic Control</i> , 1995 , 40, 1620-1623	5.9	23
156	Output tracking for linear uncertain time-delay systems. <i>IET Control Theory and Applications</i> , 1996 , 143, 481-488		23
155	Switching design for suboptimal guaranteed cost control of 2-D nonlinear switched systems in the Roesser model. <i>Nonlinear Analysis: Hybrid Systems</i> , 2017 , 24, 45-57	4.5	22
154	Delay-dependent stability and stabilisation of two-dimensional positive Markov jump systems with delays. <i>IET Control Theory and Applications</i> , 2017 , 11, 1603-1610	2.5	22
153	Existence and global asymptotic stability of positive periodic solution of delayed Cohen-Grossberg neural networks. <i>Applied Mathematics and Computation</i> , 2014 , 240, 200-212	2.7	22
152	Stabilization of uncertain dynamic delay systems by memoryless feedback controllers. <i>International Journal of Control</i> , 1994 , 59, 1525-1542	1.5	22
151	Stability robustness bounds for linear systems with delayed perturbations. <i>IET Control Theory and Applications</i> , 1995 , 142, 345-350		22
150	Stability of two-dimensional Roesser systems with time-varying delays via novel 2D finite-sum inequalities. <i>IET Control Theory and Applications</i> , 2016 , 10, 1665-1674	2.5	22
149	Reachable sets bounding for switched systems with time-varying delay and bounded disturbances. <i>International Journal of Systems Science</i> , 2017 , 48, 494-504	2.3	21
148	A system decomposition approach to the design of functional observers. <i>International Journal of Control</i> , 2014 , 87, 1846-1860	1.5	21
147	Decentralised feedback controllers for uncertain interconnected dynamic systems. <i>IEE Proceedings D: Control Theory and Applications</i> , 1993 , 140, 429		21
146	A Linearized Stability Theorem for Nonlinear Delay Fractional Differential Equations. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 3180-3186	5.9	20
145	Integration of electric vehicles for load frequency output feedback H _∞ control of smart grids. <i>IET Generation, Transmission and Distribution</i> , 2016 , 10, 3341-3352	2.5	20
144	Integral Outputs-Based Robust State Observers Design for Time-Delay Systems. <i>SIAM Journal on Control and Optimization</i> , 2019 , 57, 2214-2239	1.9	20
143	. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 3513-3514	7	20
142	\$\mathcal{H}_\infty\$ Observer-Based Control for Discrete-Time One-Sided Lipschitz Systems with Unknown Inputs. <i>SIAM Journal on Control and Optimization</i> , 2014 , 52, 3751-3775	1.9	19

141	Partial state and unknown input estimation for time-delay systems. <i>International Journal of Systems Science</i> , 2012 , 43, 748-763	2.3	19
140	Observer-based control of multi-agent systems under decentralized information structure. <i>International Journal of Systems Science</i> , 2004 , 35, 719-728	2.3	19
139	Observer Design for One-Sided Lipschitz Discrete-Time Systems Subject to Delays and Unknown Inputs. <i>SIAM Journal on Control and Optimization</i> , 2016 , 54, 1585-1601	1.9	18
138	Robust Real-Time Bio-Kinematic Movement Tracking Using Multiple Kinects for Tele-Rehabilitation. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 1822-1833	8.9	18
137	Approach to fault detection of time-delay systems using functional observers. <i>Electronics Letters</i> , 2014 , 50, 1132-1134	1.1	18
136	DESIGN OF REDUCED-ORDER STATE/UNKNOWN INPUT OBSERVERS BASED ON A DESCRIPTOR SYSTEM APPROACH. <i>Asian Journal of Control</i> , 2010 , 9, 458-465	1.7	18
135	A new method for designing distributed reduced-order functional observers of interconnected time-delay systems. <i>Journal of the Franklin Institute</i> , 2018 , 355, 1411-1451	4	17
134	Stability of positive coupled differential-difference equations with unbounded time-varying delays. <i>Automatica</i> , 2018 , 92, 259-263	5.7	17
133	Stability Analysis and Control of Two-Dimensional Fuzzy Systems With Directional Time-Varying Delays. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 1550-1564	8.3	17
132	Unknown input sliding mode functional observers with application to sensorless control of permanent magnet synchronous machines. <i>Journal of the Franklin Institute</i> , 2013 , 350, 107-128	4	17
131	Stability analysis of two-dimensional Markovian jump state-delayed systems in the Roeser model with uncertain transition probabilities. <i>Information Sciences</i> , 2016 , 367-368, 403-417	7.7	16
130	Design of scalar functional observers of order less than (∞) . <i>International Journal of Control</i> , 2006 , 79, 1654-1659	1.5	16
129	D-stability analysis of discrete-delay perturbed systems. <i>International Journal of Control</i> , 1995 , 61, 493-505	5	16
128	Observer design for positive fractional-order interconnected time-delay systems. <i>Transactions of the Institute of Measurement and Control</i> , 2019 , 41, 378-391	1.8	16
127	Minimization of State Bounding for Perturbed Positive Systems with Delays. <i>SIAM Journal on Control and Optimization</i> , 2018 , 56, 1739-1755	1.9	16
126	Decentralized bounded input bounded output stabilization of perturbed interconnected time-delay power systems with energy storages. <i>International Journal of Electrical Power and Energy Systems</i> , 2017 , 93, 51-64	5.1	15
125	Robust observer and observer-based control designs for discrete one-sided Lipschitz systems subject to uncertainties and disturbances. <i>Applied Mathematics and Computation</i> , 2019 , 353, 42-53	2.7	15
124	Method for computing state transformations of time-delay systems. <i>IET Control Theory and Applications</i> , 2015 , 9, 2405-2413	2.5	15

123	On backwards and forwards reachable sets bounding for perturbed time-delay systems. <i>Applied Mathematics and Computation</i> , 2015 , 269, 664-673	2.7	15
122	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	15
121	Exponential Stability of Two-Dimensional Homogeneous Monotone Systems With Bounded Directional Delays. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 2694-2700	5.9	15
120	Linear functional observers with guaranteed \mathbb{R} convergence for discrete time-delay systems with input/output disturbances. <i>International Journal of Systems Science</i> , 2016 , 47, 3193-3205	2.3	15
119	A Non-Contact Measurement System for the Range of Motion of the Hand. <i>Sensors</i> , 2015 , 15, 18315-33	3.8	15
118	Observer-based controller design of time-delay systems with an interval time-varying delay. <i>International Journal of Applied Mathematics and Computer Science</i> , 2012 , 22, 921-927	1.7	15
117	Dynamic Event-Triggered State Observers for a Class of Nonlinear Systems With Time Delays and Disturbances. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 3457-3461	3.5	15
116	Stability analysis of fractional differential time-delay equations. <i>IET Control Theory and Applications</i> , 2017 , 11, 1006-1015	2.5	14
115	Stability analysis of a general family of nonlinear positive discrete time-delay systems. <i>International Journal of Control</i> , 2016 , 89, 1303-1315	1.5	14
114	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	3.6	14
113	A procedure for designing linear functional observers. <i>Applied Mathematics Letters</i> , 2013 , 26, 240-243	3.5	14
112	DESIGN OF REDUCED-ORDER FUNCTIONAL OBSERVERS FOR LINEAR SYSTEMS WITH UNKNOWN INPUTS. <i>Asian Journal of Control</i> , 2008 , 6, 514-520	1.7	14
111	New state transformations of time-delay systems with multiple delays and their applications to state observer design. <i>Journal of the Franklin Institute</i> , 2016 , 353, 3487-3523	4	14
110	Distributed Functional Observer Based Fault Detection for Interconnected Time-Delay Systems. <i>IEEE Systems Journal</i> , 2019 , 13, 940-951	4.3	14
109	Exponential Convergence of Time-Delay Systems in the Presence of Bounded Disturbances. <i>Journal of Optimization Theory and Applications</i> , 2013 , 157, 843-852	1.6	13
108	Design of H_{∞} Control of neural networks with time-varying delays. <i>Neural Computing and Applications</i> , 2013 , 22, 323-331	4.8	13
107	Robust observer-based control designs for discrete nonlinear systems with disturbances. <i>European Journal of Control</i> , 2018 , 44, 65-72	2.5	13
106	Observers Design for 2-D Positive Time-Delay Roesser Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 476-480	3.5	12

105	On reachable set estimation of two-dimensional systems described by the Roesser model with time-varying delays. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 227-246	3.6	12
104	Stochastic stability of nonlinear discrete-time Markovian jump systems with time-varying delay and partially unknown transition rates. <i>Neurocomputing</i> , 2016 , 175, 450-458	5.4	12
103	A Robust Local Positive Feedback Based Performance Enhancement Strategy for Non-Recycling Folded Cascade OTA. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 2897-2908	3.9	12
102	On asymptotic properties of solutions to fractional differential equations. <i>Journal of Mathematical Analysis and Applications</i> , 2020 , 484, 123759	1.1	12
101	An LMI-based functional estimation scheme of large-scale time-delay systems with strong interconnections. <i>Journal of the Franklin Institute</i> , 2016 , 353, 2482-2510	4	12
100	Wind thermal systems operation optimization considering emission problem. <i>International Journal of Electrical Power and Energy Systems</i> , 2015 , 65, 238-245	5.1	11
99	An Unscented Particle Filtering Approach to Decentralized Dynamic State Estimation for DFIG Wind Turbines in Multi-Area Power Systems. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 2670-2682	7	11
98	Reachable sets bounding for generalized neural networks with interval time-varying delay and bounded disturbances. <i>Neural Computing and Applications</i> , 2018 , 29, 783-794	4.8	11
97	Componentwise ultimate bounds for positive discrete time-delay systems perturbed by interval disturbances. <i>Automatica</i> , 2016 , 72, 153-157	5.7	11
96	Delay-Dependent Energy-to-Peak Stability of 2-D Time-Delay Roesser Systems With Multiplicative Stochastic Noises. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 5066-5073	5.9	10
95	A practical functional observer scheme for interconnected time-delay systems. <i>International Journal of Control</i> , 2015 , 88, 1963-1973	1.5	10
94	Drive Cycle Analysis of the Performance of Hybrid Electric Vehicles. <i>Lecture Notes in Computer Science</i> , 2010 , 434-444	0.9	10
93	Observing a subset of the states of linear systems. <i>IET Control Theory and Applications</i> , 1994 , 141, 137-144		10
92	Combined modal and singular perturbation approach to decentralized control. <i>International Journal of Systems Science</i> , 1992 , 23, 741-764	2.3	10
91	A common functional observer scheme for three systems with unknown inputs. <i>Journal of the Franklin Institute</i> , 2016 , 353, 2237-2257	4	10
90	Linear functional state bounding for positive systems with disturbances varying within a bounded set. <i>Automatica</i> , 2020 , 111, 108644	5.7	10
89	A Novel Power and Signal Composite Modulation Approach to Powerline Data Communication for SRM in Distributed Power Grids. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 10436-10446	7.2	10
88	A novel approach to exponential stability of continuous-time Roesser systems with directional time-varying delays. <i>Journal of the Franklin Institute</i> , 2017 , 354, 1023-1041	4	9

87	On Contraction of Functional Differential Equations. <i>SIAM Journal on Control and Optimization</i> , 2018 , 56, 2377-2397	1.9	9
86	Observer-based control for time-varying delay neural networks with nonlinear observation. <i>Neural Computing and Applications</i> , 2014 , 24, 1639-1645	4.8	9
85	On the Existence and Design of Functional Observers for Linear Systems 2007 ,		9
84	Distributed Control of HVDC Links for Primary Frequency Control of Time-Delay Power Systems. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 1301-1314	7	9
83	A Qualitative Theory of Time Delay Nonlinear Fractional-Order Systems. <i>SIAM Journal on Control and Optimization</i> , 2020 , 58, 1491-1518	1.9	8
82	Forming a Reliable Hybrid Microgrid Using Electric Spring Coupled With Non-Sensitive Loads and ESS. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 2867-2879	10.7	8
81	Stability Analysis of Nonlinear Time-Delay Systems Using a Novel Piecewise Positive Systems Method. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 291-297	5.9	8
80	Fast finite-time consensus of a class of high-order uncertain nonlinear systems 2010 ,		8
79	Comments on "An asymptotic modal observer for linear autonomous time lag systems" [with reply]. <i>IEEE Transactions on Automatic Control</i> , 1997 , 42, 742-745	5.9	8
78	On \mathbb{H}_∞ -gain control of 2-D positive Roesser systems with directional delays: Necessary and sufficient conditions. <i>Automatica</i> , 2020 , 112, 108720	5.7	8
77	Partial state bounding with a pre-specified time of non-linear discrete systems with time-varying delays. <i>IET Control Theory and Applications</i> , 2016 , 10, 1496-1502	2.5	8
76	Robust state estimation for non-linear systems with unknown delays. <i>IET Control Theory and Applications</i> , 2019 , 13, 1147-1154	2.5	7
75	Fault detection of dynamical systems using first-order functional observers 2013 ,		7
74	Stability Analysis of Nonlinear Neutral Functional Differential Equations. <i>SIAM Journal on Control and Optimization</i> , 2017 , 55, 3947-3968	1.9	7
73	Generality of functional observer structures 2011 ,		7
72	Heavy tools manipulation by low powered direct-drive five-bar parallel robot. <i>Mechanism and Machine Theory</i> , 2008 , 43, 1450-1461	4	7
71	Design of Observers for Positive Systems With Delayed Input and Output Information. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 107-111	3.5	7
70	Distributed Functional Interval Observers for Nonlinear Interconnected Systems With Time-Delays and Additive Disturbances. <i>IEEE Systems Journal</i> , 2021 , 15, 411-422	4.3	7

69	Linear functional state bounding for perturbed time-delay systems and its application. <i>IMA Journal of Mathematical Control and Information</i> , 2015 , 32, 245-255	1.1	6
68	Automated robotic grinding by low-powered manipulator. <i>Robotics and Computer-Integrated Manufacturing</i> , 2007 , 23, 589-598	9.2	6
67	Minimal-Order Functional Observer-Based Residual Generators for Fault Detection and Isolation of Dynamical Systems. <i>Mathematical Problems in Engineering</i> , 2016 , 2016, 1-17	1.1	6
66	New results on H ∞ filtering for nonlinear large-scale systems with interconnected time-varying delays. <i>Optimal Control Applications and Methods</i> , 2016 , 37, 948-964	1.7	6
65	State and delay reconstruction for nonlinear systems with input delays. <i>Applied Mathematics and Computation</i> , 2021 , 390, 125609	2.7	6
64	Sliding mode observer for estimating states and faults of linear time-delay systems with outputs subject to delays. <i>Automatica</i> , 2021 , 124, 109274	5.7	6
63	Eigenvalue assignment for positive observers and its feasibility. <i>European Journal of Control</i> , 2017 , 36, 10-17	2.5	5
62	On Static and Dynamic Triggered Mechanisms for Event-Triggered Control of Uncertain Systems. <i>Circuits, Systems, and Signal Processing</i> , 2020 , 39, 5020-5038	2.2	5
61	Stability of two-dimensional descriptor systems with generalized directional delays. <i>Systems and Control Letters</i> , 2018 , 112, 42-50	2.4	5
60	Exponential stabilization of time-varying delay systems with non-linear perturbations. <i>IMA Journal of Mathematical Control and Information</i> , 2014 , 31, 441-464	1.1	5
59	An improved stability criterion for time-delay power systems with electric vehicles and high voltage direct current power links 2015 ,		5
58	Parameter-dependent H ∞ Control for Time-varying Delay Polytopic Systems. <i>Journal of Optimization Theory and Applications</i> , 2010 , 147, 58-70	1.6	5
57	Reduced-order observer for large-scale systems. <i>IET Control Theory and Applications</i> , 1997 , 144, 189-194		5
56	A common disturbance decoupled observer for linear systems with unknown inputs. <i>International Journal of Automation and Control</i> , 2008 , 2, 286	1.8	5
55	A new LMI based H ∞ observer design method for Lipschitz nonlinear systems 2016 ,		5
54	Interval Functional Observers Design for Time-Delay Systems Under Stealthy Attacks. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 5101-5112	3.9	4
53	Prediction-based approach to stabilization of 2-D continuous-time Roesser systems with directional input delays. <i>Journal of the Franklin Institute</i> , 2020 , 357, 4779-4794	4	4
52	Adaptive blind equalization of time-varying SIMO systems driven by QPSK inputs 2013 , 23, 268-274		4

51	Functional Observability 2010 ,		4
50	A new blind method for separating . <i>Computers and Mathematics With Applications</i> , 2010 , 60, 1829-1839	2.7	4
49	Distributed state observer scheme for large-scale interconnected systems. <i>IET Control Theory and Applications</i> , 1998 , 145, 331-337		4
48	Interval functional observers for time-delay systems with additive disturbances. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020 , 34, 1281-1293	2.8	4
47	Static output feedback control of positive linear systems with output time delays. <i>International Journal of Systems Science</i> , 2019 , 50, 2815-2823	2.3	4
46	On contraction of nonlinear difference equations with time-varying delays. <i>Mathematische Nachrichten</i> , 2019 , 292, 859-870	0.8	4
45	Square-Root Sigma-Point Filtering Approach to State Estimation for Wind Turbine Generators in Interconnected Energy Systems. <i>IEEE Systems Journal</i> , 2021 , 15, 1557-1566	4.3	4
44	Robust control for incremental quadratic constrained nonlinear time-delay systems subject to actuator saturation. <i>Applied Mathematics and Computation</i> , 2021 , 405, 126271	2.7	4
43	Four Novel Embedded Z-Source DCDC Converters. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 607-616	7.2	4
42	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	2.9	3
41	Numerical implementation of a Functional Observability algorithm: A Singular Value Decomposition Approach 2010 ,		3
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