Hieu M Trinh

List of Publications by Year in Descending Order

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	Four Novel Embedded Z-Source DC‑DC Converters. *IEEE Transactions on Power Electronics*, **2022**, 37, 607-616	7.2	4
211	Functional interval estimation method for discrete-time switched systems under asynchronous switching. *Journal of the Franklin Institute*, **2022**, 359, 5712-5712	4	
210	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	2
209	Square-Root Sigma-Point Filtering Approach to State Estimation for Wind Turbine Generators in Interconnected Energy Systems. *IEEE Systems Journal*, **2021**, 15, 1557-1566	4.3	4
208	Distributed Functional Interval Observers for Nonlinear Interconnected Systems With Time-Delays and Additive Disturbances. *IEEE Systems Journal*, **2021**, 15, 411-422	4.3	7
207	State and delay reconstruction for nonlinear systems with input delays. *Applied Mathematics and Computation*, **2021**, 390, 125609	2.7	6
206	Positivity and stability of mixed fractional-order systems with unbounded delays: Necessary and sufficient conditions. *International Journal of Robust and Nonlinear Control*, **2021**, 31, 37-50	3.6	3
205	Nonfragile sampled-data H‑control design for high-speed train with parametric uncertainties. *International Journal of Robust and Nonlinear Control*, **2021**, 31, 1021-1034	3.6	1
204	Sliding mode observer for estimating states and faults of linear time-delay systems with outputs subject to delays. *Automatica*, **2021**, 124, 109274	5.7	6
203	Controllability Analysis and Verification for High-Order DC‑DC Converters Using Switched Linear Systems Theory. *IEEE Transactions on Power Electronics*, **2021**, 1-1	7.2	3
202	Event-Triggered Functional Observer Design With $epsilon$-Convergence for Interconnected Systems. *IEEE Systems Journal*, **2021**, 1-12	4.3	1
201	Event-Triggered Mechanism for Multiple Frequency Services of Electric Vehicles in Smart Grids. *IEEE Transactions on Power Systems*, **2021**, 1-1	7	1
200	A Nonlinear Observer for Robust Fault Reconstruction in One-Sided Lipschitz and Quadratically Inner-Bounded Nonlinear Descriptor Systems. *IEEE Access*, **2021**, 9, 22455-22469	3.5	3
199	A parameter-averaging approach to converter system order reduction. *Electrical Engineering*, **2021**, 103, 2021-2034	1.5	0
198	Design of event-triggered interval functional observers for systems with input and output disturbances. *Mathematical Methods in the Applied Sciences*, **2021**, 44, 13968	2.3	0
197	MPC-based double-layer real-time conditional cSelf-restoration for interconnected microgrids. *International Journal of Electrical Power and Energy Systems*, **2021**, 129, 106745	5.1	3
196	A Novel Power and Signal Composite Modulation Approach to Powerline Data Communication for SRM in Distributed Power Grids. *IEEE Transactions on Power Electronics*, **2021**, 36, 10436-10446	7.2	10

195	Exponential estimate with a time-varying factor for positive discrete-time systems with time-delays. *Applied Mathematics Letters*, **2021**, 119, 107194	3.5	2
194	Comparison principle for positive time-delay systems: An extension and its application. *Journal of the Franklin Institute*, **2021**, 358, 6818-6834	4	0
193	Robust control for incremental quadratic constrained nonlinear time-delay systems subject to actuator saturation. *Applied Mathematics and Computation*, **2021**, 405, 126271	2.7	4
192	A novel observer-based approach to delay-dependent LFC of power systems with actuator faults and uncertain communications conditions. *International Journal of Electrical Power and Energy Systems*, **2021**, 131, 106957	5.1	2
191	Design and HIL Realization of an Online Adaptive Dynamic Programming Approach for Real-time Economic Operations of Household Energy Systems. *IEEE Transactions on Smart Grid*, **2021**, 1-1	10.7	3
190	Observer-based control design for nonlinear systems with unknown delays. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 1-1	3.5	0
189	A Qualitative Theory of Time Delay Nonlinear Fractional-Order Systems. *SIAM Journal on Control and Optimization*, **2020**, 58, 1491-1518	1.9	8
188	Interval Functional Observers Design for Time-Delay Systems Under Stealthy Attacks. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2020**, 67, 5101-5112	3.9	4
187	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	4	4
186	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	7	11
185	Forming a Reliable Hybrid Microgrid Using Electric Spring Coupled With Non-Sensitive Loads and ESS. *IEEE Transactions on Smart Grid*, **2020**, 11, 2867-2879	10.7	8
184	On Static and Dynamic Triggered Mechanisms for Event-Triggered Control of Uncertain Systems. *Circuits, Systems, and Signal Processing*, **2020**, 39, 5020-5038	2.2	5
183	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	3.9	12
182	Global attractivity and asymptotic stability of mixed-order fractional systems. *IET Control Theory and Applications*, **2020**, 14, 1240-1245	2.5	2
181	On asymptotic properties of solutions to fractional differential equations. *Journal of Mathematical Analysis and Applications*, **2020**, 484, 123759	1.1	12
180	On l_1-gain control of 2-D positive Roesser systems with directional delays: Necessary and sufficient conditions. *Automatica*, **2020**, 112, 108720	5.7	8
179	Functional observers design for positive systems with delays and unknown inputs. *IET Control Theory and Applications*, **2020**, 14, 1656-1661	2.5	0
178	Interval functional observers for time-delay systems with additive disturbances. *International Journal of Adaptive Control and Signal Processing*, **2020**, 34, 1281-1293	2.8	4

177	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	3.5	7
176	Linear functional state bounding for positive systems with disturbances varying within a bounded set. *Automatica*, **2020**, 111, 108644	5.7	10
175	Dynamic Event-Triggered State Observers for a Class of Nonlinear Systems With Time Delays and Disturbances. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2020**, 67, 3457-3461	3.5	15
174	A Robust Decentralized Observer-Based Stabilization Method for Interconnected Nonlinear Systems: Improved LMI Conditions **2019**, 267-291		
173	Observer-Based Stabilization of Switched Discrete-Time Linear Systems With Parameter Uncertainties **2019**, 209-239		1
172	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	5.9	10
171	Robust observer and observer-based control designs for discrete one-sided Lipschitz systems subject to uncertainties and disturbances. *Applied Mathematics and Computation*, **2019**, 353, 42-53	2.7	15
170	State and fault estimation for a class of non-infinitely observable descriptor systems using two sliding mode observers in cascade. *Journal of the Franklin Institute*, **2019**, 356, 3010-3029	4	32
169	Robust state estimation for non-linear systems with unknown delays. *IET Control Theory and Applications*, **2019**, 13, 1147-1154	2.5	7
168	Integral Outputs-Based Robust State Observers Design for Time-Delay Systems. *SIAM Journal on Control and Optimization*, **2019**, 57, 2214-2239	1.9	20
167	Static output feedback control of positive linear systems with output time delays. *International Journal of Systems Science*, **2019**, 50, 2815-2823	2.3	4
166	New results in robust fault reconstruction for a class of non-infinitely observable descriptor systems **2019**,		1
165	On contraction of nonlinear difference equations with time-varying delays. *Mathematische Nachrichten*, **2019**, 292, 859-870	0.8	4
164	Robust fault reconstruction for a class of non-infinitely observable descriptor systems using two sliding mode observers in cascade. *Applied Mathematics and Computation*, **2019**, 350, 78-92	2.7	27
163	Distributed Control of HVDC Links for Primary Frequency Control of Time-Delay Power Systems. *IEEE Transactions on Power Systems*, **2019**, 34, 1301-1314	7	9
162	Distributed Functional Observer Based Fault Detection for Interconnected Time-Delay Systems. *IEEE Systems Journal*, **2019**, 13, 940-951	4.3	14
161	Observer design for positive fractional-order interconnected time-delay systems. *Transactions of the Institute of Measurement and Control*, **2019**, 41, 378-391	1.8	16
160	A Linearized Stability Theorem for Nonlinear Delay Fractional Differential Equations. *IEEE Transactions on Automatic Control*, **2018**, 63, 3180-3186	5.9	20

159	Stability of two-dimensional descriptor systems with generalized directional delays. *Systems and Control Letters*, **2018**, 112, 42-50	2.4	5
158	Exponential Stability of Two-Dimensional Homogeneous Monotone Systems With Bounded Directional Delays. *IEEE Transactions on Automatic Control*, **2018**, 63, 2694-2700	5.9	15
157	A new method for designing distributed reduced-order functional observers of interconnected time-delay systems. *Journal of the Franklin Institute*, **2018**, 355, 1411-1451	4	17
156	Stability of positive coupled differential-difference equations with unbounded time-varying delays. *Automatica*, **2018**, 92, 259-263	5.7	17
155	Reachable sets bounding for generalized neural networks with interval time-varying delay and bounded disturbances. *Neural Computing and Applications*, **2018**, 29, 783-794	4.8	11
154	On Global Dissipativity of Nonautonomous Neural Networks With Multiple Proportional Delays. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 225-231	10.3	25
153	Observers Design for 2-D Positive Time-Delay Roesser Systems. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2018**, 65, 476-480	3.5	12
152	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	3.6	12
151	Stability Analysis of Nonlinear Time-Delay Systems Using a Novel Piecewise Positive Systems Method. *IEEE Transactions on Automatic Control*, **2018**, 63, 291-297	5.9	8
150	Stability Analysis and Control of Two-Dimensional Fuzzy Systems With Directional Time-Varying Delays. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 1550-1564	8.3	17
149	Robust observer design for uncertain one-sided Lipschitz systems with disturbances. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 1366-1380	3.6	30
148	On Contraction of Functional Differential Equations. *SIAM Journal on Control and Optimization*, **2018**, 56, 2377-2397	1.9	9
147	Stability Analysis of Neural Networks With Time-Varying Delay by Constructing Novel Lyapunov Functionals. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 4238-4247	10.3	73
146	Stability of fractional-order nonlinear systems by Lyapunov direct method. *IET Control Theory and Applications*, **2018**, 12, 2417-2422	2.5	45
145	Robust observer-based control designs for discrete nonlinear systems with disturbances. *European Journal of Control*, **2018**, 44, 65-72	2.5	13
144	Minimization of State Bounding for Perturbed Positive Systems with Delays. *SIAM Journal on Control and Optimization*, **2018**, 56, 1739-1755	1.9	16
143	Reachable sets bounding for switched systems with time-varying delay and bounded disturbances. *International Journal of Systems Science*, **2017**, 48, 494-504	2.3	21
142	Robust fault reconstruction for a class of infinitely unobservable descriptor systems. *International Journal of Systems Science*, **2017**, 48, 1646-1655	2.3	26

141	Observer-Based Control of 2-D Markov Jump Systems. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2017**, 64, 1322-1326	3.5	23
140	Stability analysis of fractional differential time-delay equations. *IET Control Theory and Applications*, **2017**, 11, 1006-1015	2.5	14
139	Switching design for suboptimal guaranteed cost control of 2-D nonlinear switched systems in the Roesser model. *Nonlinear Analysis: Hybrid Systems*, **2017**, 24, 45-57	4.5	22
138	A novel approach to exponential stability of continuous-time Roesser systems with directional time-varying delays. *Journal of the Franklin Institute*, **2017**, 354, 1023-1041	4	9
137	Delay-dependent stability and stabilisation of two-dimensional positive Markov jump systems with delays. *IET Control Theory and Applications*, **2017**, 11, 1603-1610	2.5	22
136	Eigenvalue assignment for positive observers and its feasibility. *European Journal of Control*, **2017**, 36, 10-17	2.5	5
135	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	5.1	15
134	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	7	37
133	Stability Analysis of Nonlinear Neutral Functional Differential Equations. *SIAM Journal on Control and Optimization*, **2017**, 55, 3947-3968	1.9	7
132	Design of Reduced-Order Positive Linear Functional Observers for Positive Time-Delay Systems. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2017**, 64, 555-559	3.5	29
131	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	20
130	Componentwise ultimate bounds for positive discrete time-delay systems perturbed by interval disturbances. *Automatica*, **2016**, 72, 153-157	5.7	11
129	Observer Design for One-Sided Lipschitz Discrete-Time Systems Subject to Delays and Unknown Inputs. *SIAM Journal on Control and Optimization*, **2016**, 54, 1585-1601	1.9	18
128	Reduced-order observer design for one-sided Lipschitz time-delay systems subject to unknown inputs. *IET Control Theory and Applications*, **2016**, 10, 1097-1105	2.5	43
127	New finite-sum inequalities with applications to stability of discrete time-delay systems. *Automatica*, **2016**, 71, 197-201	5.7	33
126	Stability analysis of two-dimensional Markovian jump state-delayed systems in the Roesser model with uncertain transition probabilities. *Information Sciences*, **2016**, 367-368, 403-417	7.7	16
125	Stability analysis of a general family of nonlinear positive discrete time-delay systems. *International Journal of Control*, **2016**, 89, 1303-1315	1.5	14
124	Novel Criteria for Exponential Stability of Linear Neutral Time-Varying Differential Systems. *IEEE Transactions on Automatic Control*, **2016**, 61, 1590-1594	5.9	44

123	Robust Real-Time Bio-Kinematic Movement Tracking Using Multiple Kinects for Tele-Rehabilitation. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 1822-1833	8.9	18
122	Non-linear observer design for a class of singular time-delay systems with Lipschitz non-linearities. *IMA Journal of Mathematical Control and Information*, **2016**, dnw006	1.1	2
121	New inequality-based approach to passivity analysis of neural networks with interval time-varying delay. *Neurocomputing*, **2016**, 194, 301-307	5.4	43
120	Exponential stability of time-delay systems via new weighted integral inequalities. *Applied Mathematics and Computation*, **2016**, 275, 335-344	2.7	77
119	Linear functional observers with guaranteed ℰconvergence for discrete time-delay systems with input/output disturbances. *International Journal of Systems Science*, **2016**, 47, 3193-3205	2.3	15
118	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	10.7	109
117	Stochastic stability of nonlinear discrete-time Markovian jump systems with time-varying delay and partially unknown transition rates. *Neurocomputing*, **2016**, 175, 450-458	5.4	12
116	Minimal-Order Functional Observer-Based Residual Generators for Fault Detection and Isolation of Dynamical Systems. *Mathematical Problems in Engineering*, **2016**, 2016, 1-17	1.1	6
115	New state transformations of time-delay systems with multiple delays and their applications to state observer design. *Journal of the Franklin Institute*, **2016**, 353, 3487-3523	4	14
114	New results on H∞filtering for nonlinear large-scale systems with interconnected time-varying delays. *Optimal Control Applications and Methods*, **2016**, 37, 948-964	1.7	6
113	New decentralized control design for interconnected nonlinear discrete-time systems with nonlinear interconnections **2016**,		3
112	Observer-based control design via LMIs for a class of switched discrete-time linear systems with parameter uncertainties **2016**,		2
111	A new LMI based H∞observer design method for Lipschitz nonlinear systems **2016**,		5
110	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	2.5	8
109	A common functional observer scheme for three systems with unknown inputs. *Journal of the Franklin Institute*, **2016**, 353, 2237-2257	4	10
108	An LMI-based functional estimation scheme of large-scale time-delay systems with strong interconnections. *Journal of the Franklin Institute*, **2016**, 353, 2482-2510	4	12
107	Unknown input observer design for one-sided Lipschitz discrete-time systems subject to time-delay. *Applied Mathematics and Computation*, **2016**, 286, 57-71	2.7	31
106	Determining the size of PHEV charging stations powered by commercial grid-integrated PV systems considering reactive power support. *Applied Energy*, **2016**, 183, 160-169	10.7	34

105	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	2.5	22
104	A functional observer based fault detection technique for dynamical systems. *Journal of the Franklin Institute*, **2015**, 352, 2113-2128	4	23
103	An enhanced stability criterion for time-delay systems via a new bounding technique. *Journal of the Franklin Institute*, **2015**, 352, 4407-4422	4	47
102	Convergence within a polyhedron: controller design for time-delay systems with bounded disturbances. *IET Control Theory and Applications*, **2015**, 9, 905-914	2.5	23
101	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	2.9	3
100	Refined Jensen-based inequality approach to stability analysis of time-delay systems. *IET Control Theory and Applications*, **2015**, 9, 2188-2194	2.5	95
99	Discrete inequalities based on multiple auxiliary functions and their applications to stability analysis of time-delay systems. *Journal of the Franklin Institute*, **2015**, 352, 5810-5831	4	43
98	Method for computing state transformations of time-delay systems. *IET Control Theory and Applications*, **2015**, 9, 2405-2413	2.5	15
97	On backwards and forwards reachable sets bounding for perturbed time-delay systems. *Applied Mathematics and Computation*, **2015**, 269, 664-673	2.7	15
96	Particle Filter Approach to Dynamic State Estimation of Generators in Power Systems. *IEEE Transactions on Power Systems*, **2015**, 30, 2665-2675	7	58
95	Wind-thermal systems operation optimization considering emission problem. *International Journal of Electrical Power and Energy Systems*, **2015**, 65, 238-245	5.1	11
94	Full-Order observer design for nonlinear complex large-scale systems with unknown time-varying delayed interactions. *Complexity*, **2015**, 21, 123-133	1.6	15
93	An improved stability criterion for time-delay power systems with electric vehicles and high voltage direct current power links **2015**,		5
92	H∞ dynamic output feedback control of power systems with electric vehicles **2015**,		2
91	A Non-Contact Measurement System for the Range of Motion of the Hand. *Sensors*, **2015**, 15, 18315-33	3.8	15
90	A practical functional observer scheme for interconnected time-delay systems. *International Journal of Control*, **2015**, 88, 1963-1973	1.5	10
89	Linear functional state bounding for perturbed time-delay systems and its application. *IMA Journal of Mathematical Control and Information*, **2015**, 32, 245-255	1.1	6
88	New generalized Halanay inequalities with applications to stability of nonlinear non-autonomous time-delay systems. *Nonlinear Dynamics*, **2015**, 82, 563-575	5	46

87	Reachable set bounding for nonlinear perturbed time-delay systems: The smallest bound. *Applied Mathematics Letters*, **2015**, 43, 68-71	3.5	38
86	Discrete Wirtinger-based inequality and its application. *Journal of the Franklin Institute*, **2015**, 352, 1893-1905		107
85	Existence and global asymptotic stability of positive periodic solution of delayed Cohen–Grossberg neural networks. *Applied Mathematics and Computation*, **2014**, 240, 200-212	2.7	22
84	A new approach to state bounding for linear time-varying systems with delay and bounded disturbances. *Automatica*, **2014**, 50, 1735-1738	5.7	69
83	ℓ-bounded state estimation for time-delay systems with bounded disturbances. *International Journal of Control*, **2014**, 87, 1747-1756	1.5	25
82	Exponential stabilization of time-varying delay systems with non-linear perturbations. *IMA Journal of Mathematical Control and Information*, **2014**, 31, 441-464	1.1	5
81	Partial state estimation for linear systems with output and input time delays. *ISA Transactions*, **2014**, 53, 327-34	5.5	29
80	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	3.6	14
79	Low-order estimation scheme for large-scale systems with interconnection delays **2014**,		1
78	Operation optimization of wind-thermal systems considering emission problem **2014**,		2
77	Approach to fault detection of time-delay systems using functional observers. *Electronics Letters*, **2014**, 50, 1132-1134	1.1	18
76	New results on state bounding for discrete-time systems with interval time-varying delay and bounded disturbance inputs. *IET Control Theory and Applications*, **2014**, 8, 1405-1414	2.5	39
75	A system decomposition approach to the design of functional observers. *International Journal of Control*, **2014**, 87, 1846-1860	1.5	21
74	$\mathcal{H}_{\infty}$ Observer-Based Control for Discrete-Time One-Sided Lipschitz Systems with Unknown Inputs. *SIAM Journal on Control and Optimization*, **2014**, 52, 3751-3775	1.9	19
73	Observer-based control for time-varying delay neural networks with nonlinear observation. *Neural Computing and Applications*, **2014**, 24, 1639-1645	4.8	9
72	Exponential Convergence of Time-Delay Systems in the Presence of Bounded Disturbances. *Journal of Optimization Theory and Applications*, **2013**, 157, 843-852	1.6	13
71	Design of H∞ control of neural networks with time-varying delays. *Neural Computing and Applications*, **2013**, 22, 323-331	4.8	13
70	Design of unknown input functional observers for nonlinear systems with application to fault diagnosis. *Journal of Process Control*, **2013**, 23, 1169-1184	3.9	32

69	. *IEEE Transactions on Power Systems*, **2013**, 28, 3513-3514	7	20
68	Existence conditions for unknown input functional observers. *International Journal of Control*, **2013**, 86, 22-28	1.5	37
67	Fault detection of dynamical systems using first-order functional observers **2013**,		7
66	Design of distributed functional observers for interconnected time-delay systems **2013**,		1
65	An Approach for Wind Power Integration Using Demand Side Resources. *IEEE Transactions on Sustainable Energy*, **2013**, 4, 917-924	8.2	42
64	Adaptive blind equalization of time-varying SIMO systems driven by QPSK inputs **2013**, 23, 268-274		4
63	A procedure for designing linear functional observers. *Applied Mathematics Letters*, **2013**, 26, 240-243	3.5	14
62	Unknown input sliding mode functional observers with application to sensorless control of permanent magnet synchronous machines. *Journal of the Franklin Institute*, **2013**, 350, 107-128	4	17
61	**2013**,		2
60	Observer-based controller design of time-delay systems with an interval time-varying delay. *International Journal of Applied Mathematics and Computer Science*, **2012**, 22, 921-927	1.7	15
59	Functional Observers for Dynamical Systems. *Lecture Notes in Control and Information Sciences*, **2012**,	0.5	84
58	Partial state and unknown input estimation for time-delay systems. *International Journal of Systems Science*, **2012**, 43, 748-763	2.3	19
57	Existence Conditions for Functional Observability From an Eigenspace Perspective. *IEEE Transactions on Automatic Control*, **2011**, 56, 2957-2961	5.9	42
56	Generality of functional observer structures **2011**,		7
55	Numerical implementation of a Functional Observability algorithm: A Singular Value Decomposition Approach **2010**,		3
54	Functional Observability **2010**,		4
53	Drive Cycle Analysis of the Performance of Hybrid Electric Vehicles. *Lecture Notes in Computer Science*, **2010**, 434-444	0.9	10
52	Time-Delay Systems: Design of Delay-Free and Low-Order Observers. *IEEE Transactions on Automatic Control*, **2010**, 55, 2434-2438	5.9	24

51	Functional Observability and the Design of Minimum Order Linear Functional Observers. *IEEE Transactions on Automatic Control*, **2010**, 55, 1268-1273	5.9	89
50	Fast finite-time consensus of a class of high-order uncertain nonlinear systems **2010**,		8
49	Exponential stabilization of neural networks with various activation functions and mixed time-varying delays. *IEEE Transactions on Neural Networks*, **2010**, 21, 1180-4		78
48	Parameter-dependent H Control for Time-varying Delay Polytopic Systems. *Journal of Optimization Theory and Applications*, **2010**, 147, 58-70	1.6	5
47	DESIGN OF REDUCED-ORDER STATE/UNKNOWN INPUT OBSERVERS BASED ON A DESCRIPTOR SYSTEM APPROACH. *Asian Journal of Control*, **2010**, 9, 458-465	1.7	18
46	A new blind method for separating . *Computers and Mathematics With Applications*, **2010**, 60, 1829-1839	2.7	4
45	DESIGN OF REDUCED-ORDER FUNCTIONAL OBSERVERS FOR LINEAR SYSTEMS WITH UNKNOWN INPUTS. *Asian Journal of Control*, **2008**, 6, 514-520	1.7	14
44	Disturbance Decoupled Observers for Systems With Unknown Inputs. *IEEE Transactions on Automatic Control*, **2008**, 53, 2397-2402	5.9	37
43	A common disturbance decoupled observer for linear systems with unknown inputs. *International Journal of Automation and Control*, **2008**, 2, 286	1.8	5
42	Heavy tools manipulation by low powered direct-drive five-bar parallel robot. *Mechanism and Machine Theory*, **2008**, 43, 1450-1461	4	7
41	Automated robotic grinding by low-powered manipulator. *Robotics and Computer-Integrated Manufacturing*, **2007**, 23, 589-598	9.2	6
40	State and Input Simultaneous Estimation for a Class of Time-Delay Systems With Uncertainties. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2007**, 54, 527-531		29
39	On the Existence and Design of Functional Observers for Linear Systems **2007**,		9
38	Decentralised state feedback control of multiagent systems using reduced-order functional observers. *International Journal of Automation and Control*, **2007**, 1, 165	1.8	0
37	Two-mode overconstrained three-DOFs rotational-translational linear-motor-based parallel-kinematics mechanism for machine tool applications. *Robotica*, **2007**, 25, 461-466	2.1	60
36	Design of scalar functional observers of order less than ( ). *International Journal of Control*, **2006**, 79, 1654-1659	1.5	16
35	High-Precision Five-Axis Machine for High-Speed Material Processing Using Linear Motors and Parallel-Serial Kinematics **2006**,		3
34	Partial-State Observers for Nonlinear Systems. *IEEE Transactions on Automatic Control*, **2006**, 51, 1808-1812	5.9	29

33	Asymmetrical three-DOFs rotational-translational parallel-kinematics mechanisms based on Lie group theory. *European Journal of Mechanics, A/Solids*, **2006**, 25, 550-558	3.7	34
32	Observer-based control of multi-agent systems under decentralized information structure. *International Journal of Systems Science*, **2004**, 35, 719-728	2.3	19
31	An observer design procedure for a class of nonlinear time-delay systems. *Computers and Electrical Engineering*, **2004**, 30, 61-71	4.3	34
30	State and input simultaneous estimation for a class of nonlinear systems. *Automatica*, **2004**, 40, 1779-1785	3.7	191
29	Observer-Based Output Feedback Variable Structure Control with Application to a Two-Link Manipulator. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2004**, 37, 127-132		
28	Lower bounds for stability margin of n-dimensional discrete systems. *Computers and Electrical Engineering*, **2003**, 29, 861-871	4.3	
27	Dynamic output feedback sliding-mode control using pole placement and linear functional observers. *IEEE Transactions on Industrial Electronics*, **2003**, 50, 1030-1037	8.9	40
26	Constrained pole placement for linear systems using low-order output feedback controllers. *International Journal of Systems Science*, **2002**, 33, 165-173	2.3	
25	Output Feedback Controllers for Linear Systems With Delayed Perturbations. *International Journal of Modelling and Simulation*, **2000**, 20, 63-68	1.5	1
24	Some new stability conditions for two-dimensional difference systems. *International Journal of Systems Science*, **2000**, 31, 203-211	2.3	2
23	Design of linear functional observers for linear systems with unknown inputs. *International Journal of Systems Science*, **2000**, 31, 741-749	2.3	38
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