

Denis Efimov

List of Publications by Year in descending order

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396
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396
docs citations

396
times ranked

2674
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite-time and fixed-time stabilization: Implicit Lyapunov function approach. Automatica, 2015, 51, 332-340.	5.0	665
2	Interval State Estimation for a Class of Nonlinear Systems. IEEE Transactions on Automatic Control, 2012, 57, 260-265.	5.7	385
3	Interval state observer for nonlinear time varying systems. Automatica, 2013, 49, 200-205.	5.0	227
4	On homogeneity and its application in sliding mode control. Journal of the Franklin Institute, 2014, 351, 1866-1901.	3.4	188
5	Interval estimation for LPV systems applying high order sliding mode techniques. Automatica, 2012, 48, 2365-2371.	5.0	171
6	Robust stabilization of MIMO systems in finite/fixed time. International Journal of Robust and Nonlinear Control, 2016, 26, 69-90.	3.7	168
7	Control of Nonlinear and LPV Systems: Interval Observer-Based Framework. IEEE Transactions on Automatic Control, 2013, 58, 773-778.	5.7	167
8	Interval Observers for Time-Varying Discrete-Time Systems. IEEE Transactions on Automatic Control, 2013, 58, 3218-3224.	5.7	160
9	Finite-time and fixed-time observer design: Implicit Lyapunov function approach. Automatica, 2018, 87, 52-60.	5.0	158
10	Interval observers for continuous-time LPV systems with L -performance. Automatica, 2015, 58, 82-89.	5.0	151
11	Design of interval observers for uncertain dynamical systems. Automation and Remote Control, 2016, 77, 191-225.	0.8	144
12	Input to state stability and allied system properties. Automation and Remote Control, 2011, 72, 1579-1614.	0.8	140
13	Verification of ISS, iISS and IOSS properties applying weighted homogeneity. Systems and Control Letters, 2013, 62, 1159-1167.	2.3	130
14	Comments on finite-time stability of time-delay systems. Automatica, 2014, 50, 1944-1947.	5.0	84
15	Interval estimation for continuous-time switched linear systems. Automatica, 2018, 90, 230-238.	5.0	83
16	Time-Varying Parameter Identification Algorithms: Finite and Fixed-Time Convergence. IEEE Transactions on Automatic Control, 2017, 62, 3671-3678.	5.7	79
17	An effective method to interval observer design for time-varying systems. Automatica, 2014, 50, 2677-2684.	5.0	78
18	Boundary time-varying feedbacks for fixed-time stabilization of constant-parameter reaction-diffusion systems. Automatica, 2019, 103, 398-407.	5.0	76

#	ARTICLE	IF	CITATIONS
19	Actuator fault detection and compensation under feedback control. <i>Automatica</i> , 2011, 47, 1699-1705.	5.0	74
20	Global sliding-mode observer with adjusted gains for locally Lipschitz systems. <i>Automatica</i> , 2011, 47, 565-570.	5.0	74
21	Consistent Discretization of Finite-Time and Fixed-Time Stable Systems. <i>SIAM Journal on Control and Optimization</i> , 2019, 57, 78-103.	2.1	70
22	On interval observer design for time-invariant discrete-time systems. , 2013, , .		68
23	A Hybrid Robust Non-Homogeneous Finite-Time Differentiator. <i>IEEE Transactions on Automatic Control</i> , 2011, 56, 1213-1219.	5.7	67
24	Design of interval observer for a class of uncertain unobservable nonlinear systems. <i>Automatica</i> , 2016, 63, 167-174.	5.0	66
25	The Implicit Discretization of the Supertwisting Sliding-Mode Control Algorithm. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 3707-3713.	5.7	66
26	Fault Diagnosis and Fault-Tolerant Control and Guidance for Aerospace Vehicles. <i>Advances in Industrial Control</i> , 2014, , .	0.5	63
27	Interval observer design for estimation and control of time-delay descriptor systems. <i>European Journal of Control</i> , 2015, 23, 26-35.	2.6	63
28	Conditions for fixed-time stability and stabilization of continuous autonomous systems. <i>Systems and Control Letters</i> , 2019, 129, 26-35.	2.3	61
29	Switched Algorithm for Frequency Estimation with Noise Rejection. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 2400-2404.	5.7	58
30	Interval observer for a class of uncertain nonlinear singular systems. <i>Automatica</i> , 2016, 71, 159-168.	5.0	58
31	Weighted Homogeneity for Time-Delay Systems: Finite-Time and Independent of Delay Stability. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 210-215.	5.7	58
32	Robust finite-time output feedback stabilisation of the double integrator. <i>International Journal of Control</i> , 2015, 88, 451-460.	1.9	52
33	Realization and Discretization of Asymptotically Stable Homogeneous Systems. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 5962-5969.	5.7	52
34	Trajectory tracking for a quadrotor under wind perturbations: sliding mode control with state-dependent gains. <i>Journal of the Franklin Institute</i> , 2018, 355, 4809-4838.	3.4	50
35	Output stabilization of time-varying input delay systems using interval observation technique. <i>Automatica</i> , 2013, 49, 3402-3410.	5.0	47
36	On Homogeneous Distributed Parameter Systems. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 3657-3662.	5.7	46

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37	On an interval prediction of COVID-19 development based on a SEIR epidemic model. Annual Reviews in Control, 2021, 51, 477-487.	7.9	46
38	Characterizations of Input-to-State Stability for Systems With Multiple Invariant Sets. IEEE Transactions on Automatic Control, 2015, 60, 3242-3256.	5.7	45
39	Design of impulsive adaptive observers for improvement of persistency of excitation. International Journal of Adaptive Control and Signal Processing, 2015, 29, 765-782.	4.1	43
40	A note on delay robustness for homogeneous systems with negative degree. Automatica, 2017, 79, 178-184.	5.0	43
41	Robust Feedback Stabilization of Linear MIMO Systems Using Generalized Homogenization. IEEE Transactions on Automatic Control, 2020, 65, 5429-5436.	5.7	43
42	On Robust Parameter Estimation in Finite-Time Without Persistence of Excitation. IEEE Transactions on Automatic Control, 2020, 65, 1731-1738.	5.7	42
43	Some recent results on the design and implementation of interval observers for uncertain systems. Automatisierungstechnik, 2018, 66, 213-224.	0.8	41
44	Oscillatoriness of Nonlinear Systems with Static Feedback. SIAM Journal on Control and Optimization, 2009, 48, 618-640.	2.1	38
45	Supervisory fault-tolerant control with mutual performance optimization. International Journal of Adaptive Control and Signal Processing, 2013, 27, 251-279.	4.1	38
46	Implicit Lyapunov-Krasovski Functionals for Stability Analysis and Control Design of Time-Delay Systems. IEEE Transactions on Automatic Control, 2015, 60, 3344-3349.	5.7	38
47	Interval estimation for uncertain systems with time-varying delays. International Journal of Control, 2013, 86, 1777-1787.	1.9	37
48	A Note on Distributed Finite-Time Observers. IEEE Transactions on Automatic Control, 2019, 64, 759-766.	5.7	37
49	Homogeneous differentiator design using implicit Lyapunov Function method. , 2014, , .		35
50	Fixed-time output stabilization and fixed-time estimation of a chain of integrators. International Journal of Robust and Nonlinear Control, 2018, 28, 4647-4665.	3.7	35
51	Actuator fault detection in aircraft systems: Oscillatory failure case study. Annual Reviews in Control, 2013, 37, 180-190.	7.9	34
52	On an extension of homogeneity notion for differential inclusions. , 2013, , .		34
53	Development of Homogeneity Concept for Time-Delay Systems. SIAM Journal on Control and Optimization, 2014, 52, 1547-1566.	2.1	34
54	An adaptive sliding-mode observer for a class of uncertain nonlinear systems. International Journal of Adaptive Control and Signal Processing, 2018, 32, 511-527.	4.1	34

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55	Avoiding local minima in the potential field method using input-to-state stability. Control Engineering Practice, 2016, 55, 174-184.	5.5	33
56	Oscillations Conditions in Homogenous Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 1379-1384.	0.4	32
57	Global Lyapunov Analysis of Multistable Nonlinear Systems. SIAM Journal on Control and Optimization, 2012, 50, 3132-3154.	2.1	32
58	LPV solutions for fault detection of aircraft actuator faults: Bridging the gap between theory and practice. International Journal of Robust and Nonlinear Control, 2015, 25, 649-672.	3.7	32
59	Delayed sliding mode control. Automatica, 2016, 64, 37-43.	5.0	32
60	Observer synthesis under time-varying sampling for Lipschitz nonlinear systems. Automatica, 2017, 85, 433-440.	5.0	32
61	Continuous and discrete state estimation for switched LPV systems using parameter identification. Automatica, 2015, 62, 139-147.	5.0	31
62	Enhancement of adaptive observer robustness applying sliding mode techniques. Automatica, 2016, 72, 53-56.	5.0	31
63	Adaptive tuning to bifurcation for time-varying nonlinear systems. Automatica, 2006, 42, 417-425.	5.0	28
64	Finite-time Stabilization Using Implicit Lyapunov Function Technique. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 140-145.	0.4	28
65	A non-conservative solution for early and robust fault diagnosis in aircraft control surface servo-loops. Control Engineering Practice, 2014, 31, 183-199.	5.5	27
66	Transient management of a supervisory fault-tolerant control scheme based on dwell-time conditions. International Journal of Adaptive Control and Signal Processing, 2015, 29, 123-142.	4.1	27
67	A simple finite-time distributed observer design for linear time-invariant systems. Systems and Control Letters, 2020, 141, 104707.	2.3	27
68	Robustness of delayed multistable systems with application to droop-controlled inverter-based microgrids. International Journal of Control, 2016, 89, 909-918.	1.9	26
69	Design of interval observers for estimation and stabilization of discrete-time LPV systems. IMA Journal of Mathematical Control and Information, 2016, 33, 1051-1066.	1.7	26
70	Conditions for Almost Global Attractivity of a Synchronous Generator Connected to an Infinite Bus. IEEE Transactions on Automatic Control, 2017, 62, 4905-4916.	5.7	26
71	Finite-time output stabilization of the double integrator. , 2012, , .		25
72	Dynamical adaptive synchronization. International Journal of Adaptive Control and Signal Processing, 2006, 20, 491-507.	4.1	24

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73	On Interval Observer Design for a Class of Continuous-Time LPV Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 68-73.	0.4	24
74	Finite-time and fixed-time input-to-state stability: Explicit and implicit approaches. Systems and Control Letters, 2020, 144, 104775.	2.3	24
75	Linear interval observers under delayed measurements and delay-dependent positivity. Automatica, 2016, 72, 123-130.	5.0	23
76	On simple scheme of finite/fixed-time control design. International Journal of Control, 2020, 93, 1353-1361.	1.9	23
77	Fixed-time estimation of parameters for non-persistent excitation. European Journal of Control, 2020, 55, 24-32.	2.6	22
78	Stability and robustness of homogeneous differential inclusions. , 2016, , .		21
79	On Input-to-State Stability with respect to decomposable invariant sets. , 2013, , .		20
80	ON INPUT-TO-OUTPUT STABILITY OF SWITCHED NONLINEAR SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 3647-3652.	0.4	19
81	Estimation and control of discrete-time LPV systems using interval observers. , 2013, , .		19
82	Nonâ€minimum phase switched systems: HOSMâ€based fault detection and fault identification via Volterra integral equation. International Journal of Adaptive Control and Signal Processing, 2014, 28, 1372-1397.	4.1	19
83	Homogeneity Based Uniform Stability Analysis for Time-Varying Systems. IEEE Transactions on Automatic Control, 2016, 61, 725-734.	5.7	19
84	Design of interval observers and controls for PDEs using finite-element approximations. Automatica, 2018, 93, 302-310.	5.0	19
85	On Necessary and Sufficient Conditions for Fixed-Time Stability of Continuous Autonomous Systems. , 2018, , .		19
86	Analysis of robustness of homogeneous systems with time delays using Lyapunovâ€Krasovskii functionals. International Journal of Robust and Nonlinear Control, 2021, 31, 3730-3746.	3.7	19
87	Uniting global and local controllers under acting disturbances. Automatica, 2006, 42, 489-495.	5.0	18
88	Phase resetting control based on direct phase response curve. Journal of Mathematical Biology, 2011, 63, 855-879.	1.9	18
89	Frequency estimation for periodical signal with noise in finite time. , 2011, , .		18
90	On design of interval observers with sampled measurement. Systems and Control Letters, 2016, 96, 158-164.	2.3	18

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91	Global synchronization analysis of droop-controlled microgridsâ€”A multivariable cell structure approach. Automatica, 2019, 109, 108550.	5.0	18
92	Robust stability analysis and implementation of Persidskii systems. , 2019, , .		18
93	On estimation of rates of convergence in Lyapunovâ€™Razumikhin approach. Automatica, 2020, 116, 108928.	5.0	18
94	Differentiator application in altitude control for an indoor blimp robot. International Journal of Control, 2018, 91, 2121-2130.	1.9	17
95	Oscillatory Conditions for Nonlinear Systems with Delay. Journal of Applied Mathematics, 2007, 2007, 1-12.	0.9	16
96	Yakubovichâ€™s oscillatory of circadian oscillations models. Mathematical Biosciences, 2008, 216, 187-191.	1.9	16
97	Robust output stabilization: Improving performance via supervisory control. International Journal of Robust and Nonlinear Control, 2011, 21, 1219-1236.	3.7	16
98	Signal and model-based fault detection for aircraft systems. IFAC-PapersOnLine, 2015, 48, 1096-1101.	0.9	16
99	Nonlinear impulsive systems: 2D stability analysis approach. Automatica, 2017, 80, 32-40.	5.0	16
100	On design of interval observers for parabolic PDEs. IFAC-PapersOnLine, 2017, 50, 4045-4050.	0.9	16
101	Stabilization of linear impulsive systems under dwell-time constraints: Interval observer-based framework. European Journal of Control, 2018, 42, 1-14.	2.6	16
102	Controlling the phase of an oscillator: A phase response curve approach. , 2009, , .		15
103	On ISS and iISS properties of homogeneous systems. , 2013, , .		15
104	Robust Altitude and Attitude Sliding Mode Controllers for Quadrotors. IFAC-PapersOnLine, 2017, 50, 2720-2725.	0.9	15
105	On finiteâ€”time robust stabilization via nonlinear state feedback. International Journal of Robust and Nonlinear Control, 2018, 28, 4951-4965.	3.7	15
106	Gramian-based uniform convergent observer for stable LTV systems with delayed measurements. International Journal of Control, 2020, 93, 226-237.	1.9	15
107	Improving fault detection abilities of extended Kalman filters by covariance matrices adjustment. , 2010, , .		14
108	Finite-time and fixed-time observers design via implicit Lyapunov function. , 2016, , .		14

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109	Homogeneous Time-Varying Systems: Robustness Analysis. IEEE Transactions on Automatic Control, 2016, 61, 4075-4080.	5.7	14
110	A Fault Detection Method for Automatic Detection of Spawning in Oysters. IEEE Transactions on Control Systems Technology, 2016, 24, 1140-1147.	5.2	14
111	A relaxed characterization of ISS for periodic systems with multiple invariant sets. European Journal of Control, 2017, 37, 1-7.	2.6	14
112	Robust output feedback control for uncertain linear systems: Homogeneous differentiator-based observer approach. International Journal of Robust and Nonlinear Control, 2017, 27, 1895-1914.	3.7	14
113	Consistent Discretization of Finite-time Stable Homogeneous Systems. , 2018, , .		14
114	The implicit discretization of the super-twisting sliding-mode control algorithm. , 2018, , .		14
115	Robust Output Feedback MPC for LPV Systems Using Interval Observers. IEEE Transactions on Automatic Control, 2022, 67, 3188-3195.	5.7	14
116	Next-Point Prediction for Direct Touch Using Finite-Time Derivative Estimation. , 2018, , .		14
117	Velocity estimation of valve movement in oysters for water quality surveillance. IFAC-PapersOnLine, 2015, 48, 333-338.	0.9	13
118	Discretization of homogeneous systems using Euler method with a state-dependent step. Automatica, 2019, 109, 108546.	5.0	13
119	Interval observer design and control of uncertain non-homogeneous heat equations. Automatica, 2020, 111, 108595.	5.0	13
120	Adaptive estimation for uncertain nonlinear systems with measurement noise: A sliding mode observer approach. International Journal of Robust and Nonlinear Control, 2021, 31, 3809-3826.	3.7	13
121	Actuator fault diagnosis for flat systems: A constraint satisfaction approach. International Journal of Applied Mathematics and Computer Science, 2013, 23, 171-181.	1.5	12
122	Supervisory control of air-fuel ratio in spark ignition engines. Control Engineering Practice, 2014, 30, 27-33.	5.5	12
123	ISS of multistable systems with delays: Application to droop-controlled inverter-based microgrids. , 2015, , .		12
124	Fixed-time output stabilization of a chain of integrators. , 2016, , .		12
125	On conditions of oscillations and multi-homogeneity. Mathematics of Control, Signals, and Systems, 2016, 28, 1.	2.3	12
126	Homogeneous Lyapunov Functions: From Converse Design to Numerical Implementation. SIAM Journal on Control and Optimization, 2018, 56, 3454-3477.	2.1	12

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127	A homogeneity property of discrete-time systems: Stability and convergence rates. International Journal of Robust and Nonlinear Control, 2019, 29, 2406-2421.	3.7	12
128	Optimization of fault detection performance for a class of nonlinear systems. International Journal of Robust and Nonlinear Control, 2012, 22, 1969-1982.	3.7	11
129	Exciting multi-DOF systems by feedback resonance. Automatica, 2013, 49, 1782-1789.	5.0	11
130	Robustness of homogeneous and locally homogeneous differential inclusions. , 2014, , .		11
131	On necessary conditions of instability and design of destabilizing controls. , 2014, , .		11
132	Interval Observers for Linear Impulsive Systems. IFAC-PapersOnLine, 2016, 49, 867-872.	0.9	11
133	Almost global attractivity of a synchronous generator connected to an infinite bus. , 2016, , .		11
134	Wind estimation algorithm for quadrotors using detailed aerodynamic coefficients. , 2018, , .		11
135	Robustness of linear time-varying systems with relaxed excitation. International Journal of Adaptive Control and Signal Processing, 2019, 33, 1885-1900.	4.1	11
136	Converse Lyapunov-Krasovskii theorem for ISS of neutral systems in Sobolev spaces. Automatica, 2020, 118, 109042.	5.0	11
137	Distributed Observers With Time-Varying Delays. IEEE Transactions on Automatic Control, 2021, 66, 5354-5361.	5.7	11
138	HOMOGENEITY FOR TIME-DELAY SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3861-3866.	0.4	10
139	Stabilization of nonlinear uncertain systems based on interval observers. , 2011, , .		10
140	A LPV approach for early fault detection in aircraft control surfaces servo-loops. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 806-811.	0.4	10
141	Robustness of finite-time stability property for sliding modes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 391-396.	0.4	10
142	Implicit Lyapunov-Krasovski Functionals for time delay systems. , 2014, , .		10
143	Universal Robust Adaptive Control of Robot Manipulators Using Real Time Estimation. IFAC-PapersOnLine, 2015, 48, 499-504.	0.9	10
144	On robustness of phase resetting to cell division under entrainment. Journal of Theoretical Biology, 2015, 387, 206-213.	1.7	10

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145	Application of interval observers to estimation and control of air-fuel ratio in a direct injection engine. , 2015, , .		10
146	Discretization of asymptotically stable homogeneous systems by explicit and implicit euler methods. , 2016, , .		10
147	Modeling pointing tasks in mouse-based human-computer interactions. , 2016, , .		10
148	Finite-time obstacle avoidance for unicycle-like robot subject to additive input disturbances. Autonomous Robots, 2017, 41, 19-30.	4.8	10
149	Feedback sensitivity functions analysis of finite-time stabilizing control system. International Journal of Robust and Nonlinear Control, 2017, 27, 2475-2491.	3.7	10
150	Interval Estimation for Linear Switched System * *This work was partially supported by the Government of Russian Federation (Grant 074-U01) and the Ministry of Education and Science of Russian Federation (Project 14.Z50.31.0031).. IFAC-PapersOnLine, 2017, 50, 6265-6270.	0.9	10
151	Acceleration of finite-time stable homogeneous systems. International Journal of Robust and Nonlinear Control, 2018, 28, 1757-1777.	3.7	10
152	Interval Observers for Secure Estimation in Cyber-Physical Systems. , 2018, , .		10
153	Some characterizations of boundary time-varying feedbacks for fixed-time stabilization of reaction-diffusion systems. IFAC-PapersOnLine, 2019, 52, 162-167.	0.9	10
154	Observer analysis and synthesis for perturbed Lipschitz systems under noisy time-varying measurements. Automatica, 2019, 106, 406-410.	5.0	10
155	Robust Global Synchronization of Brockett Oscillators. IEEE Transactions on Control of Network Systems, 2019, 6, 289-298.	3.7	10
156	Robust output feedback model predictive control for constrained linear systems via interval observers. Automatica, 2022, 135, 109951.	5.0	10
157	Interval state estimation for uncertain nonlinear systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 451-456.	0.4	9
158	Set Adaptive Observers for Linear Parameter-Varying Systems: Application to Fault Detection. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	1.6	9
159	Delay-dependent positivity: Application to interval observers. , 2015, , .		9
160	Design of a non-homogeneous differentiator for actuator oscillatory failure case reconstruction in noisy environment. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2015, 229, 266-275.	1.0	9
161	Robust Synchronization for Multistable Systems. IEEE Transactions on Automatic Control, 2016, 61, 1625-1630.	5.7	9
162	An input-to-state stability approach to verify almost global stability of a synchronous-machine-infinite-bus system. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160304.	3.4	9

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163	Interval Observer Approach to Output Stabilization of Linear Impulsive Systems 1 This work was supported in part by the Government of Russian Federation (Grant 074-U01) and the Ministry of Education and Science of Russian Federation (Project 14.Z50.31.0031).. IFAC-PapersOnLine, 2017, 50, 5085-5090.	0.9	9
164	Convergence acceleration for observers by gain commutation. International Journal of Control, 2018, 91, 2009-2018.	1.9	9
165	Robust Stability Under Relaxed Persistent Excitation Conditions. , 2018, , .		9
166	On Boundedness of Solutions of State Periodic Systems: A Multivariable Cell Structure Approach. IEEE Transactions on Automatic Control, 2019, 64, 4094-4104.	5.7	9
167	A Robust Nonlinear Model Reference Adaptive Control for Disturbed Linear Systems: An LMI Approach. IEEE Transactions on Automatic Control, 2022, 67, 1937-1943.	5.7	9
168	State observation of LTV systems with delayed measurements: A parameter estimation-based approach with fixed convergence time. Automatica, 2021, 131, 109674.	5.0	9
169	Input-output stabilization of nonlinear systems via backstepping. International Journal of Robust and Nonlinear Control, 2009, 19, 613-633.	3.7	8
170	INPUT ESTIMATION VIA SLIDING-MODE DIFFERENTIATION FOR EARLY OFC DETECTION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1143-1148.	0.4	8
171	Position and velocity estimation through acceleration measurements. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 6460-6465.	0.4	8
172	A Method for Actuator Lock-in-place Failure Detection in Aircraft Control Surface Servo-loops. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 10549-10554.	0.4	8
173	Stabilization of chain of integrators with arbitrary order in finite-time. , 2015, , .		8
174	Phase resetting for a network of oscillators via phase response curve approach. Biological Cybernetics, 2015, 109, 95-108.	1.3	8
175	Interval observers for PDEs: approximation approach. IFAC-PapersOnLine, 2016, 49, 915-920.	0.9	8
176	A forecasting algorithm for latency compensation in indirect human-computer interactions. , 2016, , .		8
177	Experimental study of the robust global synchronization of Brockett oscillators. European Physical Journal: Special Topics, 2017, 226, 3199-3210.	2.6	8
178	Interval Prediction for Continuous-Time Systems with Parametric Uncertainties. , 2019, , .		8
179	A switched dynamic model for pointing tasks with a computer mouse. Asian Journal of Control, 2020, 22, 1387-1400.	3.0	8
180	Disturbance compensation based controller for an indoor blimp robot. Robotics and Autonomous Systems, 2020, 124, 103402.	5.1	8

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181	Robust Output Feedback MPC: An Interval-Observer Approach. , 2020, , .		8
182	Fault Detection and Diagnosis in Electrical Aircraft Flight Control System. , 2011, , .		7
183	Sliding mode control design for MIMO systems: Implicit Lyapunov Function approach. , 2014, , .		7
184	On existence of oscillations in hybrid systems. Nonlinear Analysis: Hybrid Systems, 2014, 12, 104-116.	3.5	7
185	Finite-Time Supervisory Stabilization for a Class of Nonholonomic Mobile Robots Under Input Disturbances. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4867-4872.	0.4	7
186	Vector lyapunov function based stability for a class of impulsive systems. , 2015, , .		7
187	Monitoring Biological Rhythms Through the Dynamic Model Identification of an Oyster Population. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 939-949.	9.3	7
188	Integral Control Design using the Implicit Lyapunov Function Approach. , 2019, , .		7
189	Robust output-feedback control for uncertain linear sampled-data systems: A 2D impulsive system approach. Nonlinear Analysis: Hybrid Systems, 2019, 32, 177-201.	3.5	7
190	A Simple Frequency Estimator for Power Systems. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-2.	4.7	7
191	On necessary and sufficient conditions for output finite-time stability. Automatica, 2021, 125, 109427.	5.0	7
192	On analysis of Persidskii systems and their implementations using LMIs. Automatica, 2021, 134, 109905.	5.0	7
193	On Biased Harmonic Signal Estimation: Application to Electric Power Grid Monitoring. IEEE Transactions on Control Systems Technology, 2022, 30, 2743-2750.	5.2	7
194	Robust and Adaptive Observer-Based Partial Stabilization for a Class of Nonlinear Systems. IEEE Transactions on Automatic Control, 2009, 54, 1591-1595.	5.7	6
195	Application of Interval Observers and HOSM Differentiators for Fault Detection. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 516-521.	0.4	6
196	On set-membership observer design for a class of periodical time-varying systems. , 2012, , .		6
197	Interval estimation for systems with time delays and algebraic constraints. , 2014, , .		6
198	Automatic spawning detection in oysters: a fault detection approach. , 2015, , .		6

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199	Interval estimation of sequestered infected erythrocytes in malaria patients. , 2016, , .		6
200	Altitude Control for an Indoor Blimp Robot. IFAC-PapersOnLine, 2017, 50, 15990-15995.	0.9	6
201	On continuous boundary time-varying feedbacks for fixed-time stabilization of coupled reaction-diffusion systems. , 2018, , .		6
202	Almost Global Synchronization in Radial Multi-Machine Power Systems. , 2018, , .		6
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