

Franco Blanchini

List of Publications by Year in descending order

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243
papers

8,983
citations

109137

35
h-index

48187

88
g-index

252
all docs

252
docs citations

252
times ranked

5277
citing authors

#	ARTICLE	IF	CITATIONS
1	Set invariance in control. <i>Automatica</i> , 1999, 35, 1747-1767.	3.0	1,857
2	Modelling the COVID-19 epidemic and implementation of population-wide interventions in Italy. <i>Nature Medicine</i> , 2020, 26, 855-860.	15.2	1,373
3	Set-Theoretic Methods in Control. <i>Systems and Control: Foundations and Applications</i> , 2008, , .	0.1	784
4	Ultimate boundedness control for uncertain discrete-time systems via set-induced Lyapunov functions. <i>IEEE Transactions on Automatic Control</i> , 1994, 39, 428-433.	3.6	347
5	Nonquadratic Lyapunov functions for robust control. <i>Automatica</i> , 1995, 31, 451-461.	3.0	319
6	Discrete-time control for switched positive systems with application to mitigating viral escape. <i>International Journal of Robust and Nonlinear Control</i> , 2011, 21, 1093-1111.	2.1	309
7	Modeling vaccination rollouts, SARS-CoV-2 variants and the requirement for non-pharmaceutical interventions in Italy. <i>Nature Medicine</i> , 2021, 27, 993-998.	15.2	161
8	Feedback control for linear time-invariant systems with state and control bounds in the presence of disturbances. <i>IEEE Transactions on Automatic Control</i> , 1990, 35, 1231-1234.	3.6	158
9	Set-Theoretic Methods in Control. <i>Systems and Control: Foundations and Applications</i> , 2015, , .	0.1	158
10	Co-Positive Lyapunov Functions for the Stabilization of Positive Switched Systems. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 3038-3050.	3.6	132
11	A new class of universal Lyapunov functions for the control of uncertain linear systems. <i>IEEE Transactions on Automatic Control</i> , 1999, 44, 641-647.	3.6	113
12	A Separation Principle for Linear Switching Systems and Parametrization of All Stabilizing Controllers. <i>IEEE Transactions on Automatic Control</i> , 2009, 54, 279-292.	3.6	113
13	Switched Positive Linear Systems. <i>Foundations and Trends in Systems and Control</i> , 2015, 2, 101-273.	3.8	104
14	The gain scheduling and the robust state feedback stabilization problems. <i>IEEE Transactions on Automatic Control</i> , 2000, 45, 2061-2070.	3.6	80
15	Convexity of the cost functional in an optimal control problem for a class of positive switched systems. <i>Automatica</i> , 2014, 50, 1227-1234.	3.0	79
16	Stabilizability of switched linear systems does not imply the existence of convex Lyapunov functions. <i>Automatica</i> , 2008, 44, 1166-1170.	3.0	75
17	Stabilization of LPV Systems: State Feedback, State Estimation, and Duality. <i>SIAM Journal on Control and Optimization</i> , 2003, 42, 76-97.	1.1	71
18	Constrained control for uncertain linear systems. <i>Journal of Optimization Theory and Applications</i> , 1991, 71, 465-484.	0.8	70

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19	Piecewise-linear Lyapunov functions for structural stability of biochemical networks. <i>Automatica</i> , 2014, 50, 2482-2493.	3.0	70
20	Persistent disturbance rejection via static-state feedback. <i>IEEE Transactions on Automatic Control</i> , 1995, 40, 1127-1131.	3.6	69
21	Structurally robust biological networks. <i>BMC Systems Biology</i> , 2011, 5, 74.	3.0	67
22	Non-conservative matrix inequality conditions for stability/stabilizability of linear differential inclusions. <i>Automatica</i> , 2010, 46, 190-196.	3.0	66
23	Any Domain of Attraction for a Linear Constrained System is a Tracking Domain of Attraction. <i>SIAM Journal on Control and Optimization</i> , 2000, 38, 971-994.	1.1	60
24	Control of production-distribution systems with unknown inputs and system failures. <i>IEEE Transactions on Automatic Control</i> , 2000, 45, 1072-1081.	3.6	57
25	Constrained stabilization of continuous-time linear systems. <i>Systems and Control Letters</i> , 1996, 28, 95-102.	1.3	56
26	Stability results for linear parameter varying and switching systems. <i>Automatica</i> , 2007, 43, 1817-1823.	3.0	56
27	Stable LPV Realization of Parametric Transfer Functions and Its Application to Gain-Scheduling Control Design. <i>IEEE Transactions on Automatic Control</i> , 2010, 55, 2271-2281.	3.6	56
28	Robust rate control for integrated services packet networks. <i>IEEE/ACM Transactions on Networking</i> , 2002, 10, 644-652.	2.6	54
29	Characterization of PID and Lead/Lag Compensators Satisfying Given H_{∞} Specifications. <i>IEEE Transactions on Automatic Control</i> , 2004, 49, 736-740.	3.6	52
30	Least inventory control of multistorage systems with non-stochastic unknown inputs. <i>IEEE Transactions on Automation Science and Engineering</i> , 1997, 13, 633-645.	2.4	47
31	A Structural Classification of Candidate Oscillatory and Multistationary Biochemical Systems. <i>Bulletin of Mathematical Biology</i> , 2014, 76, 2542-2569.	0.9	46
32	Rational $\hat{a}, \sup 1/$ suboptimal compensators for continuous-time systems. <i>IEEE Transactions on Automatic Control</i> , 1994, 39, 1487-1492.	3.6	45
33	A Network Design Problem for a Distribution System with Uncertain Demands. <i>SIAM Journal on Optimization</i> , 1997, 7, 560-578.	1.2	45
34	Modal and transition dwell time computation in switching systems: A set-theoretic approach. <i>Automatica</i> , 2010, 46, 1477-1482.	3.0	43
35	Molecular Titration Promotes Oscillations and Bistability in Minimal Network Models with Monomeric Regulators. <i>ACS Synthetic Biology</i> , 2016, 5, 321-333.	1.9	40
36	Control synthesis for discrete time systems with control and state bounds in the presence of disturbances. <i>Journal of Optimization Theory and Applications</i> , 1990, 65, 29-40.	0.8	39

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37	Computing the structural influence matrix for biological systems. <i>Journal of Mathematical Biology</i> , 2016, 72, 1927-1958.	0.8	38
38	On the transient estimate for linear systems with time-varying uncertain parameters. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1996, 43, 592-596.	0.1	37
39	Feedback control of production-distribution systems with unknown demand and delays. <i>IEEE Transactions on Automation Science and Engineering</i> , 2000, 16, 313-317.	2.4	35
40	Adaptive control of compressor surge instability. <i>Automatica</i> , 2002, 38, 1373-1380.	3.0	34
41	Extensive study on the control of centrifugal compressor surge. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2006, 220, 289-304.	0.8	34
42	Stabilization of negative capacitance in ferroelectric capacitors with and without a metal interlayer. <i>Nanoscale</i> , 2020, 12, 6121-6129.	2.8	34
43	Minimum-time control for uncertain discrete-time linear systems. , 0, , .		33
44	Plate with decentralised velocity feedback loops: Power absorption and kinetic energy considerations. <i>Journal of Sound and Vibration</i> , 2012, 331, 1722-1741.	2.1	33
45	Constrained stabilization via smooth Lyapunov functions. <i>Systems and Control Letters</i> , 1998, 35, 155-163.	1.3	32
46	Robust state feedback control of LTV systems: nonlinear is better than linear. <i>IEEE Transactions on Automatic Control</i> , 1999, 44, 802-807.	3.6	32
47	Robust control strategies for multi-“inventory systems with average flow constraints. <i>Automatica</i> , 2006, 42, 1255-1266.	3.0	32
48	Network-Decentralized Control Strategies for Stabilization. <i>IEEE Transactions on Automatic Control</i> , 2015, 60, 491-496.	3.6	31
49	Constrained stabilization with an assigned initial condition set. <i>International Journal of Control</i> , 1995, 62, 601-617.	1.2	30
50	A convex optimization approach to fixed-order controller design for disturbance rejection in SISO systems. <i>IEEE Transactions on Automatic Control</i> , 2000, 45, 784-789.	3.6	30
51	Active Fault Isolation: A Duality-Based Approach via Convex Programming. <i>SIAM Journal on Control and Optimization</i> , 2017, 55, 1619-1640.	1.1	29
52	Polyhedral Lyapunov functions structurally ensure global asymptotic stability of dynamical networks iff the Jacobian is non-singular. <i>Automatica</i> , 2017, 86, 183-191.	3.0	29
53	Biometric Palmprint Verification: A Dynamical System Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 2676-2687.	5.9	29
54	Relatively optimal control and its linear implementation. <i>IEEE Transactions on Automatic Control</i> , 2003, 48, 2151-2162.	3.6	28

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55	Robust performance with fixed and worst-case signals for uncertain time-varying systems. <i>Automatica</i> , 1997, 33, 2183-2189.	3.0	26
56	Control of manipulators in a constrained workspace by means of linked invariant sets. <i>International Journal of Robust and Nonlinear Control</i> , 2004, 14, 1185-1205.	2.1	24
57	Ultimate boundedness control for uncertain discrete-time systems via set-induced Lyapunov functions. , 0, , .		23
58	Control-Sharing and Merging Control Lyapunov Functions. <i>IEEE Transactions on Automatic Control</i> , 2014, 59, 107-119.	3.6	23
59	The joint network/control design of platooning algorithms can enforce guaranteed safety constraints. <i>Ad Hoc Networks</i> , 2019, 94, 101962.	3.4	23
60	A Razumikhin-type lemma for functional differential equations with application to adaptive control. <i>Automatica</i> , 1999, 35, 809-818.	3.0	22
61	Guide on set invariance for delay difference equations. <i>Annual Reviews in Control</i> , 2016, 41, 13-23.	4.4	22
62	A Convex Optimization Approach to Synthesizing Bounded Complexity ℓ^{∞} Filters. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 216-221.	3.6	21
63	Optimization of Long-Run Average-Flow Cost in Networks With Time-Varying Unknown Demand. <i>IEEE Transactions on Automatic Control</i> , 2010, 55, 20-31.	3.6	20
64	Constant and switching gains in semi-active damping of vibrating structures. <i>International Journal of Control</i> , 2012, 85, 1886-1897.	1.2	20
65	Compartmental flow control: Decentralization, robustness and optimality. <i>Automatica</i> , 2016, 64, 18-28.	3.0	20
66	The linear saturated decentralized strategy for constrained flow control is asymptotically optimal. <i>Automatica</i> , 2013, 49, 2206-2212.	3.0	19
67	Aggregates of Monotonic Step Response Systems: A Structural Classification. <i>IEEE Transactions on Control of Network Systems</i> , 2018, 5, 782-792.	2.4	18
68	Vertex/plane characterization of the dwell-time property for switching linear systems. , 2010, , .		17
69	Constrained control for perturbed linear systems. , 1990, , .		15
70	A new class of universal Lyapunov functions for the control of uncertain linear systems. , 0, , .		15
71	Relatively Optimal Control With Characteristic Polynomial Assignment and Output Feedback. <i>IEEE Transactions on Automatic Control</i> , 2006, 51, 183-191.	3.6	15
72	Determining the structural properties of a class of biological models. , 2012, , .		15

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73	The Smallest Eigenvalue of the Generalized Laplacian Matrix, with Application to Network-Decentralized Estimation for Homogeneous Systems. IEEE Transactions on Network Science and Engineering, 2016, 3, 312-324.	4.1	15
74	Model-Free Plant Tuning. IEEE Transactions on Automatic Control, 2017, 62, 2623-2634.	3.6	15
75	Constrained Control for Systems with Unknown Disturbances. Control and Dynamic Systems, 1992, , 129-182.	0.1	15
76	Min-max control of uncertain multi-inventory systems with multiplicative uncertainties. IEEE Transactions on Automatic Control, 2001, 45, 955-960.	3.6	14
77	Experimental Evaluation of a High-Gain Control for Compressor Surge Suppression. Journal of Turbomachinery, 2002, 124, 27-35.	0.9	14
78	Structured-LMI conditions for stabilizing network-decentralized control. , 2013, , .		14
79	Structural conditions for oscillations and multistationarity in aggregate monotone systems. , 2015, , .		14
80	Homogeneous Time Constants Promote Oscillations in Negative Feedback Loops. ACS Synthetic Biology, 2018, 7, 1481-1487.	1.9	14
81	Piecewise-linear functions in robust control. , 1996, , 213-243.		13
82	Stabilizability of switched linear systems does not imply the existence of convex Lyapunov functions. , 2006, , .		13
83	Relatively Optimal Control: A Static Piecewise-Affine Solution. SIAM Journal on Control and Optimization, 2007, 46, 585-603.	1.1	13
84	Simultaneous performance achievement via compensator blending. Automatica, 2008, 44, 1-14.	3.0	13
85	A convex programming approach to the inverse kinematics problem for manipulators under constraints. European Journal of Control, 2017, 33, 11-23.	1.6	13
86	Guaranteed cost control for multi-inventory systems with uncertain demand. Automatica, 2004, 40, 213-223.	3.0	12
87	A Mixed Convex/Nonconvex Distributed Localization Approach for the Deployment of Indoor Positioning Services. IEEE Transactions on Mobile Computing, 2008, 7, 1325-1337.	3.9	12
88	Mal de Debarquement Syndrome: A Matter of Loops?. Frontiers in Neurology, 2020, 11, 576860.	1.1	12
89	Robust obstacle avoidance for constrained linear discrete time systems: A set-theoretic approach. , 2007, , .		11
90	Enhancing Controller Performance for Robot Positioning in a Constrained Environment. IEEE Transactions on Control Systems Technology, 2008, 16, 1066-1074.	3.2	11

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91	High-Gain Adaptive Control: A Derivative-Based Approach. IEEE Transactions on Automatic Control, 2009, 54, 2164-2169.	3.6	11
92	A Youla-KuÅera parameterization approach to output feedback relatively optimal control. Systems and Control Letters, 2015, 81, 14-23.	1.3	11
93	Robust constrained Model Predictive Control of fast electromechanical systems. Journal of the Franklin Institute, 2016, 353, 2087-2103.	1.9	11
94	Stability analysis of an artificial biomolecular oscillator with non-cooperative regulatory interactions. Journal of Biological Dynamics, 2017, 11, 102-120.	0.8	11
95	Asymmetric State Feedback for Linear Plants With Asymmetric Input Saturation. , 2020, 4, 608-613.		11
96	Design of a molecular clock with RNA-mediated regulation. , 2014, , .		10
97	Loop analysis of blood pressure/volume homeostasis. PLoS Computational Biology, 2019, 15, e1007346.	1.5	10
98	New canonical form for pole placement. IEE Proceedings D: Control Theory and Applications, 1989, 136, 314.	0.4	9
99	Further results on rational approximations of $\hat{\sigma}^{-1}$ optimal controllers. IEEE Transactions on Automatic Control, 1995, 40, 552-557.	3.6	9
100	Computation of the minimum destabilizing volume for interval and affine families of polynomials. IEEE Transactions on Automatic Control, 1998, 43, 1159-1163.	3.6	9
101	A convex optimization approach to synthesizing bounded complexity \mathcal{H}_∞ filters. , 2009, , .		9
102	A joint network/control design for cooperative automatic driving. , 2017, , .		9
103	Control-theoretic methods for biological networks. , 2018, , .		9
104	Acoustic Target Tracking Through a Cluster of Mobile Agents. IEEE Transactions on Cybernetics, 2021, 51, 2587-2600.	6.2	9
105	A feedback strategy for periodic network flows. Networks, 1996, 27, 25-34.	1.6	8
106	Continuous-time optimal control for switched positive systems with application to mitigating viral escape*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 266-271.	0.4	8
107	An LPV control scheme for induction motors. , 2012, , .		8
108	Set Invariance for Delay Difference Equations—The research leading to these results has benefited from the financial support of the European Union's 7th Framework Programme under EC-GA No. 607957 TEMPO — Training in Embedded Predictive Control and Optimization. The authors acknowledge also the support of the Franco-Italian collaborative research programme No. 30188PK Galileo 2014.. IFAC-PapersOnLine, 2015, 48, 215-220.	0.5	8

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109	Stable LPV realisation of the Smith predictor. International Journal of Systems Science, 2016, 47, 2393-2401.	3.7	8
110	A Bounded Complementary Sensitivity Function Ensures Topology-Independent Stability of Homogeneous Dynamical Networks. IEEE Transactions on Automatic Control, 2018, 63, 1140-1146.	3.6	8
111	Analysis of coupled genetic oscillators with delayed positive feedback interconnections. , 2019, , .		8
112	A multistationary loop model of ALS unveils critical molecular interactions involving mitochondria and glucose metabolism. PLoS ONE, 2020, 15, e0244234.	1.1	8
113	Discussion on: $\tilde{(A, B)}$ -Invariance Conditions of Polyhedral Domains for Continuous-Time Systems TM by C.E.T. D'Àrea and J.-C. Hennes. European Journal of Control, 1999, 5, 82-86.	1.6	7
114	Stabilization of multi-inventory systems with uncertain demand and setups. IEEE Transactions on Automation Science and Engineering, 2003, 19, 103-116.	2.4	7
115	Suboptimal receding horizon control for continuous-time systems. IEEE Transactions on Automatic Control, 2003, 48, 1081-1086.	3.6	7
116	Structural properties of the MAPK pathway topologies in PC12 cells. Journal of Mathematical Biology, 2013, 67, 1633-1668.	0.8	7
117	A convexity result for the optimal control of a class of positive nonlinear systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1507-1512.	0.4	7
118	On the Convergence of Discrete-Time Linear Systems: A Linear Time-Varying Mann Iteration Converges IFF Its Operator Is Strictly Pseudocontractive. , 2018, 2, 453-458.		7
119	Checking Structural Stability of BDC-Decomposable Systems via Convex Optimisation. , 2020, 4, 205-210.		7
120	Structural analysis in biology: A control-theoretic approach. Automatica, 2021, 126, 109376.	3.0	7
121	Worst case $l/\sup \hat{z}$ to $l/\sup \hat{z}$ gain minimization: dynamic versus static state feedback. , 0, , .		7
122	The gain scheduling and the robust state feedback stabilization problems. , 0, , .		6
123	Robust control of production-distribution systems. , 2001, , 13-28.		6
124	Effective Information for Offline Stochastic Feedback and Optimal Control of Dynamic Systems. Journal of Optimization Theory and Applications, 2003, 116, 283-310.	0.8	6
125	RELATIVELY OPTIMAL CONTROL: THE STATIC SOLUTION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 676-681.	0.4	6
126	Switching Gains for Semiactive Damping via Nonconvex Lyapunov Functions. IEEE Transactions on Control Systems Technology, 2014, 22, 721-728.	3.2	6

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127	Inverse kinematics by means of convex programming: Some developments. , 2015, , .		6
128	A dynamic algorithm for palmprint recognition. , 2015, , .		6
129	Optimal control of a class of positive Markovian bilinear systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2016, 21, 155-170.	2.1	6
130	Switching and sweeping vibration absorbers: Theory and experimental validation. <i>Automatica</i> , 2018, 93, 290-301.	3.0	6
131	Network-decentralised optimisation and control: An explicit saturated solution. <i>Automatica</i> , 2019, 103, 379-389.	3.0	6
132	A Dynamic Biometric Authentication Algorithm for Near-Infrared Palm Vascular Patterns. <i>IEEE Access</i> , 2020, 8, 118978-118988.	2.6	6
133	A dynamic game model for distribution problems with non-stochastic uncertainty. <i>International Journal of Production Economics</i> , 1996, 45, 479-487.	5.1	5
134	Relatively Optimal Control for Continuous-Time Systems. , 2006, , .		5
135	Dynamic augmentation and complexity reduction of set-based constrained control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008, 41, 14324-14329.	0.4	5
136	Average Flow Constraints and Stabilizability in Uncertain Production-Distribution Systems. <i>Journal of Optimization Theory and Applications</i> , 2010, 144, 12-28.	0.8	5
137	Switched control of fluid networks. <i>Transactions of the Institute of Measurement and Control</i> , 2010, 32, 582-602.	1.1	5
138	Dynamic optimization algorithms to mitigate HIV escape. , 2010, , .		5
139	Adaptive plasma current control in RFX-mod. <i>Fusion Engineering and Design</i> , 2011, 86, 1005-1008.	1.0	5
140	Is stabilization of switched positive linear systems equivalent to the existence of an Hurwitz convex combination of the system matrices?. , 2011, , .		5
141	Polyhedral Lyapunov functions for structural stability of biochemical systems in concentration and reaction coordinates. , 2015, , .		5
142	Revised analysis of negative capacitance in ferroelectric-insulator capacitors: analytical and numerical results, physical insight, comparison to experiments. , 2019, , .		5
143	<i>BDC</i> -Decomposition for Global Influence Analysis. , 2019, 3, 260-265.		5
144	Switching and switched systems. <i>Systems and Control: Foundations and Applications</i> , 2015, , 405-466.	0.1	5

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145	An improved safety device for electric chainsaws. Contemporary Engineering Sciences, 0, 8, 1229-1244.	0.2	5
146	Controllability analysis and eigenvalue assignment for generalized state-space systems. Systems and Control Letters, 1990, 15, 285-293.	1.3	4
147	Gain scheduling versus robust control of LPV systems: The output feedback case. , 2010, , .		4
148	On optimal damping of vibrating structures. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 10268-10273.	0.4	4
149	Control-based p-persistent adaptive communication protocol. ACM Transactions on Autonomous and Adaptive Systems, 2012, 7, 1-18.	0.4	4
150	A threshold mechanism ensures minimum-path flow in lightning discharge. Scientific Reports, 2021, 11, 280.	1.6	4
151	Computation of the transfer function for singular systems. International Journal of Systems Science, 1990, 21, 407-414.	3.7	3
152	Robust control of constrained systems via convex optimization. International Journal of Robust and Nonlinear Control, 1995, 5, 441-460.	2.1	3
153	A minimum-time control strategy for torque tracking in permanent magnet AC motor drives. Automatica, 2007, 43, 505-512.	3.0	3
154	A separation principle for linear switching systems and parametrization of all stabilizing controllers. , 2008, , .		3
155	Natural frequency intervals for vibrating systems with polytopic uncertainty. Journal of Sound and Vibration, 2010, 329, 944-959.	2.1	3
156	A decentralized solution for the constrained minimum cost flow. , 2010, , .		3
157	A universal class of non-homogeneous control Lyapunov functions for linear differential inclusions. , 2013, , .		3
158	Plant tuning: A robust Lyapunov approach. , 2015, , .		3
159	A switched system approach to dynamic race modelling. Nonlinear Analysis: Hybrid Systems, 2016, 21, 37-48.	2.1	3
160	Flow-Inducing Networks. , 2017, 1, 44-49.		3
161	A network-decentralised strategy for shortest-path-flow routing. , 2019, , .		3
162	Editorial to the Special Issue of L-CSS on Control and Network Theory for Biological Systems. , 2019, 3, 228-229.		3

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163	Structural Analysis of Biological Networks. , 2014, , 47-71.		3
164	Thalamocortical bistable switch as a theoretical model of fibromyalgia pathogenesis inferred from a literature survey. Journal of Computational Neuroscience, 2022, 50, 471-484.	0.6	3
165	Control of production-distribution systems with unknown inputs and system failures. , 0, , .		2
166	Suboptimal receding horizon control for continuous-time systems. , 0, , .		2
167	STABILITY RESULTS FOR CONTINUOUS AND DISCRETE TIME LINEAR PARAMETER VARYING SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 227-232.	0.4	2
168	Polyhedral functions, composite quadratic functions, and equivalent conditions for stability/stabilization. , 2008, , .		2
169	Stable LPV realization of parametric transfer functions and its application to gain-scheduling control design. , 2009, , .		2
170	Control-based p-persistent adaptive communication protocol. , 2010, , .		2
171	A novel algorithm for dynamic admission control of elastic flows. , 2011, , .		2
172	Bounded complexity \mathcal{H}_∞ filters for switched systems. , 2011, , .		2
173	A stabilizable switched linear system does not necessarily admit a smooth homogeneous Lyapunov function. , 2013, , .		2
174	A Wii-controlled safety device for electric chainsaws. Journal of Agricultural Engineering, 2013, 44, .	0.7	2
175	Structural Stability of Biochemical Networks: Quadratic vs. Polyhedral Lyapunov Functions. IFAC-PapersOnLine, 2015, 48, 278-283.	0.5	2
176	Properties of switching-dynamics race models. , 2015, , .		2
177	On the LPV Control Design and Its Applications to Some Classes of Dynamical Systems. Lecture Notes in Control and Information Sciences, 2015, , 319-338.	0.6	2
178	A Robust Decentralized Control for Channel Sharing Communication. IEEE Transactions on Control of Network Systems, 2017, 4, 336-346.	2.4	2
179	Topology-Independent Robust Stability of Homogeneous Dynamic Networks * *G.G. acknowledges support from the Swedish Research Council through the LCCC Linnaeus Center and the eLLIIT Excellence Center at Lund University.. IFAC-PapersOnLine, 2017, 50, 1736-1741.	0.5	2
180	Uncertain Systems: Time-Varying Versus Time-Invariant Uncertainties. Systems and Control: Foundations and Applications, 2018, , 3-91.	0.1	2

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181	Dual Chemical Reaction Networks and Implications for Lyapunov-Based Structural Stability. , 2022, 6, 488-493.		2
182	Parametric Gain-scheduling Control via LPV-stable Realization. , 2012, , 61-89.		2
183	Control with time-domain constraints. Systems and Control: Foundations and Applications, 2015, , 337-404.	0.1	2
184	Predicting adaptation for uncertain systems with robust real plots. , 2020, , .		2
185	Generalized epidemiological compartmental models: guaranteed bounds via optimal control. , 2021, , .		2
186	Matrix bidiagonal form. International Journal of Control, 1989, 50, 699-705.	1.2	1
187	Polyhedral Set Constrained Control for Discrete-Time Systems with Unknown Additive Disturbances. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1991, 24, 95-100.	0.4	1
188	Nonlinear controllers for the constrained stabilization of uncertain dynamic systems. , 1997, , 97-117.		1
189	Feedback control of production-distribution systems with unknown demand and delays. , 0, , .		1
190	Enhancing controller performance for robot positioning in a constrained environment. , 2004, , .		1
191	Polyhedral lyapunov functions computation for robust and gain scheduled design. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 835-840.	0.4	1
192	Robust Control Strategies for Multi-Inventory Systems with Average Flow Constraints. , 2006, , 77-82.		1
193	Controlling systems via set-theoretic methods: some perspectives. , 2006, , .		1
194	Average flow constraints and stabilizability in uncertain production-distribution systems. Proceedings of the American Control Conference, 2007, , .	0.0	1
195	High-gain adaptive control: A derivative-based approach. , 2008, , .		1
196	Modal and transition dwell time computation in switching systems: a set-theoretic approach. , 2009, , .		1
197	Parametrization of all stabilizing compensators for absorbable nonlinear systems. , 2010, , .		1
198	Robust Stability and Performance of a p-Persistent Communication Protocol. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13251-13256.	0.4	1

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200	Analysis of a negative feedback biochemical oscillator. , 2012, , .		1
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