

Franco Blanchini

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213
papers

6,103
citations

32
h-index

75
g-index

252
ext. papers

7,721
ext. citations

4
avg. IF

6.5
L-index

#	Paper	IF	Citations
213	Set invariance in control. <i>Automatica</i> , 1999 , 35, 1747-1767	5.7	1364
212	Modelling the COVID-19 epidemic and implementation of population-wide interventions in Italy. <i>Nature Medicine</i> , 2020 , 26, 855-860	50.5	845
211	Set-Theoretic Methods in Control. <i>Systems and Control: Foundations and Applications</i> , 2008 ,	0.3	447
210	. <i>IEEE Transactions on Automatic Control</i> , 1994 , 39, 428-433	5.9	268
209	Nonquadratic Lyapunov functions for robust control. <i>Automatica</i> , 1995 , 31, 451-461	5.7	259
208	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	3.6	229
207	. <i>IEEE Transactions on Automatic Control</i> , 1990 , 35, 1231-1234	5.9	104
206	. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 3038-3050	5.9	94
205	A Separation Principle for Linear Switching Systems and Parametrization of All Stabilizing Controllers. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 279-292	5.9	81
204	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	5.9	78
203	Modeling vaccination rollouts, SARS-CoV-2 variants and the requirement for non-pharmaceutical interventions in Italy. <i>Nature Medicine</i> , 2021 , 27, 993-998	50.5	70
202	Set-Theoretic Methods in Control. <i>Systems and Control: Foundations and Applications</i> , 2015 ,	0.3	68
201	Switched Positive Linear Systems. <i>Foundations and Trends in Systems and Control</i> , 2015 , 2, 101-273	4	66
200	Stabilizability of switched linear systems does not imply the existence of convex Lyapunov functions. <i>Automatica</i> , 2008 , 44, 1166-1170	5.7	59
199	Constrained control for uncertain linear systems. <i>Journal of Optimization Theory and Applications</i> , 1991 , 71, 465-484	1.6	59
198	Stabilization of LPV Systems: State Feedback, State Estimation, and Duality. <i>SIAM Journal on Control and Optimization</i> , 2003 , 42, 76-97	1.9	58
197	. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 2061-2070	5.9	58

196	Structurally robust biological networks. <i>BMC Systems Biology</i> , 2011 , 5, 74	3.5	52
195	Non-conservative matrix inequality conditions for stability/stabilizability of linear differential inclusions. <i>Automatica</i> , 2010 , 46, 190-196	5.7	51
194	Convexity of the cost functional in an optimal control problem for a class of positive switched systems. <i>Automatica</i> , 2014 , 50, 1227-1234	5.7	49
193	Characterization of PID and lead/lag compensators satisfying given H_{∞} specifications. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 736-740	5.9	43
192	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	1.9	43
191	Control of production-distribution systems with unknown inputs and system failures. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 1072-1081	5.9	43
190	. <i>IEEE Transactions on Automatic Control</i> , 1995 , 40, 1127-1131	5.9	43
189	Robust rate control for integrated services packet networks. <i>IEEE/ACM Transactions on Networking</i> , 2002 , 10, 644-652	3.8	42
188	Constrained stabilization of continuous-time linear systems. <i>Systems and Control Letters</i> , 1996 , 28, 95-102	4.2	42
187	Piecewise-linear Lyapunov functions for structural stability of biochemical networks. <i>Automatica</i> , 2014 , 50, 2482-2493	5.7	41
186	Stability results for linear parameter varying and switching systems. <i>Automatica</i> , 2007 , 43, 1817-1823	5.7	41
185	. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 2271-2281	5.9	40
184	Molecular Titration Promotes Oscillations and Bistability in Minimal Network Models with Monomeric Regulators. <i>ACS Synthetic Biology</i> , 2016 , 5, 321-33	5.7	35
183	Least inventory control of multistorage systems with non-stochastic unknown inputs. <i>IEEE Transactions on Automation Science and Engineering</i> , 1997 , 13, 633-645		34
182	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	1.6	34
181	A Network Design Problem for a Distribution System with Uncertain Demands. <i>SIAM Journal on Optimization</i> , 1997 , 7, 560-578	2	32
180	Plate with decentralised velocity feedback loops: Power absorption and kinetic energy considerations. <i>Journal of Sound and Vibration</i> , 2012 , 331, 1722-1741	3.9	30
179	A structural classification of candidate oscillatory and multistationary biochemical systems. <i>Bulletin of Mathematical Biology</i> , 2014 , 76, 2542-69	2.1	28

178	Robust control strategies for multiinventory systems with average flow constraints. <i>Automatica</i> , 2006 , 42, 1255-1266	5.7	28
177	Modal and transition dwell time computation in switching systems: A set-theoretic approach. <i>Automatica</i> , 2010 , 46, 1477-1482	5.7	27
176	Adaptive control of compressor surge instability. <i>Automatica</i> , 2002 , 38, 1373-1380	5.7	27
175	Constrained stabilization with an assigned initial condition set. <i>International Journal of Control</i> , 1995 , 62, 601-617	1.5	27
174	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		27
173	Constrained stabilization via smooth Lyapunov functions. <i>Systems and Control Letters</i> , 1998 , 35, 155-163	2.4	26
172	. <i>IEEE Transactions on Automatic Control</i> , 1994 , 39, 1487-1492	5.9	26
171	Network-Decentralized Control Strategies for Stabilization. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 491-496	5.9	25
170	Feedback control of production-distribution systems with unknown demand and delays. <i>IEEE Transactions on Automation Science and Engineering</i> , 2000 , 16, 313-317		25
169	Computing the structural influence matrix for biological systems. <i>Journal of Mathematical Biology</i> , 2016 , 72, 1927-58	2	24
168	Robust state feedback control of LTV systems: nonlinear is better than linear. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 802-807	5.9	24
167			24
166	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	1.6	23
165	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	3.6	23
164	Robust performance with fixed and worst-case signals for uncertain time-varying systems. <i>Automatica</i> , 1997 , 33, 2183-2189	5.7	20
163	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	5.9	19
162	A Razumikhin-type lemma for functional differential equations with application to adaptive control. <i>Automatica</i> , 1999 , 35, 809-818	5.7	19
161	. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 107-119	5.9	18

160			18
159	Biometric Palmprint Verification: A Dynamical System Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 2676-2687	7.3	18
158	Active Fault Isolation: A Duality-Based Approach via Convex Programming. <i>SIAM Journal on Control and Optimization</i> , 2017 , 55, 1619-1640	1.9	17
157	Polyhedral Lyapunov functions structurally ensure global asymptotic stability of dynamical networks iff the Jacobian is non-singular. <i>Automatica</i> , 2017 , 86, 183-191	5.7	17
156	Relatively optimal control and its linear implementation. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 2151-2162	5.9	17
155	Stabilization of negative capacitance in ferroelectric capacitors with and without a metal interlayer. <i>Nanoscale</i> , 2020 , 12, 6121-6129	7.7	16
154	Compartmental flow control: Decentralization, robustness and optimality. <i>Automatica</i> , 2016 , 64, 18-28	5.7	16
153	The linear saturated decentralized strategy for constrained flow control is asymptotically optimal. <i>Automatica</i> , 2013 , 49, 2206-2212	5.7	16
152	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	5.9	15
151	Constant and switching gains in semi-active damping of vibrating structures. <i>International Journal of Control</i> , 2012 , 85, 1886-1897	1.5	14
150	The Smallest Eigenvalue of the Generalized Laplacian Matrix, with Application to Network-Decentralized Estimation for Homogeneous Systems. <i>IEEE Transactions on Network Science and Engineering</i> , 2016 , 3, 312-324	4.9	12
149	The joint network/control design of platooning algorithms can enforce guaranteed safety constraints. <i>Ad Hoc Networks</i> , 2019 , 94, 101962	4.8	12
148	A Convex Optimization Approach to Synthesizing Bounded Complexity ℓ^{∞} Filters. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 216-221	5.9	12
147	2013 ,		12
146	. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 2623-2634	5.9	11
145	Determining the structural properties of a class of biological models 2012 ,		11
144	A Mixed Convex/Nonconvex Distributed Localization Approach for the Deployment of Indoor Positioning Services. <i>IEEE Transactions on Mobile Computing</i> , 2008 , 7, 1325-1337	4.6	11
143	Experimental Evaluation of a High-Gain Control for Compressor Surge Suppression. <i>Journal of Turbomachinery</i> , 2002 , 124, 27-35	1.8	11

142	Min-max control of uncertain multi-inventory systems with multiplicative uncertainties. <i>IEEE Transactions on Automatic Control</i> , 2001 , 45, 955-960	5.9	11
141	1990,		11
140	Stability analysis of an artificial biomolecular oscillator with non-cooperative regulatory interactions. <i>Journal of Biological Dynamics</i> , 2017 , 11, 102-120	2.4	10
139	Structural conditions for oscillations and multistationarity in aggregate monotone systems 2015,		10
138	Vertex/plane characterization of the dwell-time property for switching linear systems 2010,		10
137	. <i>IEEE Transactions on Control Systems Technology</i> , 2008 , 16, 1066-1074	4.8	10
136	Guaranteed cost control for multi-inventory systems with uncertain demand. <i>Automatica</i> , 2004 , 40, 213-223	3.7	10
135	A new class of universal Lyapunov functions for the control of uncertain linear systems		10
134	Guide on set invariance for delay difference equations. <i>Annual Reviews in Control</i> , 2016 , 41, 13-23	10.3	10
133	. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 782-792	4	9
132	Simultaneous performance achievement via compensator blending. <i>Automatica</i> , 2008 , 44, 1-14	5.7	9
131	Stabilizability of switched linear systems does not imply the existence of convex Lyapunov functions 2006,		9
130	Robust obstacle avoidance for constrained linear discrete time systems: A set-theoretic approach 2007,		9
129	Constrained Control for Systems with Unknown Disturbances. <i>Control and Dynamic Systems</i> , 1992 , 129-182		9
128	A convex programming approach to the inverse kinematics problem for manipulators under constraints. <i>European Journal of Control</i> , 2017 , 33, 11-23	2.5	8
127	Control-theoretic methods for biological networks 2018,		8
126	Stable LPV realisation of the Smith predictor. <i>International Journal of Systems Science</i> , 2016 , 47, 2393-2403	1.5	7
125	A joint network/control design for cooperative automatic driving 2017,		7

124	Design of a molecular clock with RNA-mediated regulation 2014 ,		7
123	High-Gain Adaptive Control: A Derivative-Based Approach. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 2164-2169	5.9	7
122	Relatively optimal control with characteristic polynomial assignment and output feedback. <i>IEEE Transactions on Automatic Control</i> , 2006 , 51, 183-191	5.9	7
121	Computation of the minimum destabilizing volume for interval and affine families of polynomials. <i>IEEE Transactions on Automatic Control</i> , 1998 , 43, 1159-1163	5.9	7
120	New canonical form for pole placement. <i>IEE Proceedings D: Control Theory and Applications</i> , 1989 , 136, 314		7
119	Robust constrained Model Predictive Control of fast electromechanical systems. <i>Journal of the Franklin Institute</i> , 2016 , 353, 2087-2103	4	7
118	Asymmetric State Feedback for Linear Plants With Asymmetric Input Saturation 2020 , 4, 608-613		6
117	Homogeneous Time Constants Promote Oscillations in Negative Feedback Loops. <i>ACS Synthetic Biology</i> , 2018 , 7, 1481-1487	5.7	6
116	Structural properties of the MAPK pathway topologies in PC12 cells. <i>Journal of Mathematical Biology</i> , 2013 , 67, 1633-68	2	6
115	Relatively Optimal Control: A Static Piecewise-Affine Solution. <i>SIAM Journal on Control and Optimization</i> , 2007 , 46, 585-603	1.9	6
114	Discussion on: (A, B)-Invariance Conditions of Polyhedral Domains for Continuous-Time Systems by C.E.T. D'Nea and J.-C. Hennet. <i>European Journal of Control</i> , 1999 , 5, 82-86	2.5	6
113	. <i>IEEE Transactions on Automatic Control</i> , 1995 , 40, 552-557	5.9	6
112	Worst case $\ \cdot \ _{\infty}$ to $\ \cdot \ _{\infty}$ gain minimization: dynamic versus static state feedback		6
111	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		6
110	Loop analysis of blood pressure/volume homeostasis. <i>PLoS Computational Biology</i> , 2019 , 15, e1007346	5	5
109	Switching Gains for Semiactive Damping via Nonconvex Lyapunov Functions. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 721-728	4.8	5
108	Polyhedral Lyapunov functions for structural stability of biochemical systems in concentration and reaction coordinates 2015 ,		5
107	Switched control of fluid networks. <i>Transactions of the Institute of Measurement and Control</i> , 2010 , 32, 582-602	1.8	5

106	Dynamic optimization algorithms to mitigate HIV escape 2010 ,		5
105	Continuous-time optimal control for switched positive systems with application to mitigating viral escape*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2010 , 43, 266-271		5
104	Effective Information for Offline Stochastic Feedback and Optimal Control of Dynamic Systems. <i>Journal of Optimization Theory and Applications</i> , 2003 , 116, 283-310	1.6	5
103	Stabilization of multi-inventory systems with uncertain demand and setups. <i>IEEE Transactions on Automation Science and Engineering</i> , 2003 , 19, 103-116		5
102	Suboptimal receding horizon control for continuous-time systems. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 1081-1086	5.9	5
101	Piecewise-linear functions in robust control 1996 , 213-243		5
100	Switching and switched systems. <i>Systems and Control: Foundations and Applications</i> , 2015 , 405-466	0.3	5
99	A Bounded Complementary Sensitivity Function Ensures Topology-Independent Stability of Homogeneous Dynamical Networks. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 1140-1146	5.9	5
98	A Youla-Kuĳera parameterization approach to output feedback relatively optimal control. <i>Systems and Control Letters</i> , 2015 , 81, 14-23	2.4	4
97	Switching and sweeping vibration absorbers: Theory and experimental validation. <i>Automatica</i> , 2018 , 93, 290-301	5.7	4
96	Inverse kinematics by means of convex programming: Some developments 2015 ,		4
95	Control-based p-persistent adaptive communication protocol. <i>ACM Transactions on Autonomous and Adaptive Systems</i> , 2012 , 7, 1-18	1.2	4
94	Adaptive plasma current control in RFX-mod. <i>Fusion Engineering and Design</i> , 2011 , 86, 1005-1008	1.7	4
93	RELATIVELY OPTIMAL CONTROL: THE STATIC SOLUTION. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 676-681		4
92	A feedback strategy for periodic network flows. <i>Networks</i> , 1996 , 27, 25-34	1.6	4
91	Checking Structural Stability of BDC-Decomposable Systems via Convex Optimisation 2020 , 4, 205-210		4
90	Acoustic Target Tracking Through a Cluster of Mobile Agents. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2587-2600	10.2	4
89	2017 , 1, 44-49		3

88	Analysis of coupled genetic oscillators with delayed positive feedback interconnections 2019 ,		3
87	Optimal control of a class of positive Markovian bilinear systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2016 , 21, 155-170	4.5	3
86	Plant tuning: A robust Lyapunov approach 2015 ,		3
85	A dynamic algorithm for palmprint recognition 2015 ,		3
84	An LPV control scheme for induction motors 2012 ,		3
83	Gain scheduling versus robust control of LPV systems: The output feedback case 2010 ,		3
82	Is stabilization of switched positive linear systems equivalent to the existence of an Hurwitz convex combination of the system matrices? 2011 ,		3
81	Average Flow Constraints and Stabilizability in Uncertain Production-Distribution Systems. <i>Journal of Optimization Theory and Applications</i> , 2010 , 144, 12-28	1.6	3
80	Natural frequency intervals for vibrating systems with polytopic uncertainty. <i>Journal of Sound and Vibration</i> , 2010 , 329, 944-959	3.9	3
79	A separation principle for linear switching systems and parametrization of all stabilizing controllers 2008 ,		3
78	A minimum-time control strategy for torque tracking in permanent magnet AC motor drives. <i>Automatica</i> , 2007 , 43, 505-512	5.7	3
77	Relatively Optimal Control for Continuous-Time Systems 2006 ,		3
76	A dynamic game model for distribution problems with non-stochastic uncertainty. <i>International Journal of Production Economics</i> , 1996 , 45, 479-487	9.3	3
75	Controllability analysis and eigenvalue assignment for generalized state-space systems. <i>Systems and Control Letters</i> , 1990 , 15, 285-293	2.4	3
74	An improved safety device for electric chainsaws. <i>Contemporary Engineering Sciences</i> , 8 , 1229-1244	0.8	3
73	A Dynamic Biometric Authentication Algorithm for Near-Infrared Palm Vascular Patterns. <i>IEEE Access</i> , 2020 , 8, 118978-118988	3.5	3
72	Network-decentralised optimisation and control: An explicit saturated solution. <i>Automatica</i> , 2019 , 103, 379-389	5.7	3
71	Revised analysis of negative capacitance in ferroelectric-insulator capacitors: analytical and numerical results, physical insight, comparison to experiments 2019 ,		3

70	Editorial to the Special Issue of L-CSS on Control and Network Theory for Biological Systems 2019 , 3, 228-229		3
69	. <i>IEEE Transactions on Control of Network Systems</i> , 2017 , 4, 336-346	4	2
68	A convexity result for the optimal control of a class of positive nonlinear systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 1507-1512		2
67	Structural Stability of Biochemical Networks: Quadratic vs. Polyhedral Lyapunov Functions. <i>IFAC-PapersOnLine</i> , 2015 , 48, 278-283	0.7	2
66	A universal class of non-homogeneous control Lyapunov functions for linear differential inclusions 2013 ,		2
65	A stabilizable switched linear system does not necessarily admit a smooth homogeneous Lyapunov function 2013 ,		2
64	A decentralized solution for the constrained minimum cost flow 2010 ,		2
63	A novel algorithm for dynamic admission control of elastic flows 2011 ,		2
62	Polyhedral functions, composite quadratic functions, and equivalent conditions for stability/stabilization 2008 ,		2
61	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		2
60	Suboptimal receding horizon control for continuous-time systems		2
59	The gain scheduling and the robust state feedback stabilization problems		2
58	Robust control of constrained systems via convex optimization. <i>International Journal of Robust and Nonlinear Control</i> , 1995 , 5, 441-460	3.6	2
57	Computation of the transfer function for singular systems. <i>International Journal of Systems Science</i> , 1990 , 21, 407-414	2.3	2
56	A multistationary loop model of ALS unveils critical molecular interactions involving mitochondria and glucose metabolism. <i>PLoS ONE</i> , 2020 , 15, e0244234	3.7	2
55	Mal de Debarquement Syndrome: A Matter of Loops?. <i>Frontiers in Neurology</i> , 2020 , 11, 576860	4.1	2
54	Structural analysis in biology: A control-theoretic approach. <i>Automatica</i> , 2021 , 126, 109376	5.7	2
53	Uncertain Systems: Time-Varying Versus Time-Invariant Uncertainties. <i>Systems and Control: Foundations and Applications</i> , 2018 , 3-91	0.3	2

52	A threshold mechanism ensures minimum-path flow in lightning discharge. <i>Scientific Reports</i> , 2021 , 11, 280	4.9	2
51	Set Invariance for Delay Difference Equations. <i>IFAC-PapersOnLine</i> , 2015 , 48, 215-220	0.7	1
50	A switched system approach to dynamic race modelling. <i>Nonlinear Analysis: Hybrid Systems</i> , 2016 , 21, 37-48	4.5	1
49	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.. <i>IFAC-PapersOnLine</i> , 2017 , 50, 1736-1741	0.7	1
48	Properties of switching-dynamics race models 2015 ,		1
47	On the LPV Control Design and Its Applications to Some Classes of Dynamical Systems. <i>Lecture Notes in Control and Information Sciences</i> , 2015 , 319-338	0.5	1
46	Network-decentralized robust congestion control with node traffic splitting 2014 ,		1
45	Robust Stability and Performance of a p-Persistent Communication Protocol. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 13251-13256		1
44	On optimal damping of vibrating structures. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 10268-10273		1
43	A convex optimization approach to synthesizing bounded complexity filters 2009 ,		1
42	Modal and transition dwell time computation in switching systems: a set-theoretic approach 2009 ,		1
41	Multistability and robustness of the MAPK pathway 2011 ,		1
40	Analysis of a negative feedback biochemical oscillator 2012 ,		1
39	High-gain adaptive control: A derivative-based approach 2008 ,		1
38	Controlling systems via set-theoretic methods: some perspectives 2006 ,		1
37	Robust Control Strategies for MultiInventory Systems with Average Flow Constraints 2006 , 77-82		1
36	Polyhedral lyapunov functions computation for robust and gain scheduled design. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004 , 37, 835-840		1
35	Robust control of production-distribution systems 2001 , 13-28		1

34	Feedback control of production-distribution systems with unknown demand and delays		1
33	Control of production-distribution systems with unknown inputs and system failures		1
32	Matrix bidiagonal form. <i>International Journal of Control</i> , 1989 , 50, 699-705	1.5	1
31	Polyhedral Set Constrained Control for Discrete-Time Systems with Unknown Additive Disturbances. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1991 , 24, 95-100		1
30	Structural Analysis of Biological Networks 2014 , 47-71		1
29	A network-decentralised strategy for shortest-path-flow routing 2019 ,		1
28	2019 , 3, 260-265		1
27	A feedback strategy for periodic network flows 1996 , 27, 25		1
26	Parametric Gain-scheduling Control via LPV-stable Realization 2012 , 61-89		1
25	Convergence in uncertain linear systems. <i>Automatica</i> , 2020 , 119, 109058	5.7	0
24	Disturbance-driven model predictive control by means of Youla-Kučera parameter switching with an application to drainage canal control. <i>International Journal of Robust and Nonlinear Control</i> , 2012 , 22, 1362-1375	3.6	0
23	Nonlinear controllers for the constrained stabilization of uncertain dynamic systems 1997 , 97-117		0
22	Control with time-domain constraints. <i>Systems and Control: Foundations and Applications</i> , 2015 , 337-404	0.3	0
21	A Robust Saturated Strategy for n -Player Prisoner's Dilemma. <i>SIAM Journal on Control and Optimization</i> , 2018 , 56, 3478-3498	1.9	0
20	2022 , 6, 488-493		0
19	Robust linear parameter-varying control of induction motors. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 1783-1800	3.6	
18	Fair and optimal dynamic admission control of elastic flows. <i>Computer Networks</i> , 2013 , 57, 1277-1288	5.4	
17	Discrete-Time Trials for Tuning without a Model. <i>IFAC-PapersOnLine</i> , 2017 , 50, 1539-1544	0.7	

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- 15 A MINIMUM-TIME CONTROL STRATEGY FOR TORQUE TRACKING IN PERMANENT MAGNET AC MOTOR DRIVES. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2005**, 38, 682-687
- 14 STABILITY RESULTS FOR CONTINUOUS AND DISCRETE TIME LINEAR PARAMETER VARYING SYSTEMS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2005**, 38, 227-232
- 13 GUARANTEED COST CONTROL FOR MULTI-INVENTORY SYSTEMS WITH UNCERTAIN DEMAND. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2002**, 35, 13-18
- 12 Dynamic programming for robust control: Old ideas and recent developments **1999**, 391-407
- 11 Numerical computation of polyhedral lyapunov functions for robust synthesis. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **1999**, 32, 2065-2070
- 10 Constrained H_∞ Design of PID Controllers **2005**, 297-305
- 9 POLYHEDRAL SET CONSTRAINED CONTROL FOR DISCRETE-TIME SYSTEMS WITH UNKNOWN ADDITIVE DISTURBANCES **1992**, 95-100
- 8 Set-theoretic analysis of dynamic systems. *Systems and Control: Foundations and Applications*, **2015**, 235-287
- 7 Invariant sets. *Systems and Control: Foundations and Applications*, **2015**, 121-191 0.3
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