Franco Blanchini

List of Publications by Year in Descending Order

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	**2022**, 6, 488-493		0
212	Structural analysis in biology: A control-theoretic approach. *Automatica*, **2021**, 126, 109376	5.7	2
211	Modeling vaccination rollouts, SARS-CoV-2 variants and the requirement for non-pharmaceutical interventions in Italy. *Nature Medicine*, **2021**, 27, 993-998	50.5	70
210	Acoustic Target Tracking Through a Cluster of Mobile Agents. *IEEE Transactions on Cybernetics*, **2021**, 51, 2587-2600	10.2	4
209	A threshold mechanism ensures minimum-path flow in lightning discharge. *Scientific Reports*, **2021**, 11, 280	4.9	2
208	Convergence in uncertain linear systems. *Automatica*, **2020**, 119, 109058	5.7	0
207	Stabilization of negative capacitance in ferroelectric capacitors with and without a metal interlayer. *Nanoscale*, **2020**, 12, 6121-6129	7.7	16
206	Asymmetric State Feedback for Linear Plants With Asymmetric Input Saturation **2020**, 4, 608-613		6
205	A multistationary loop model of ALS unveils critical molecular interactions involving mitochondria and glucose metabolism. *PLoS ONE*, **2020**, 15, e0244234	3.7	2
204	A Dynamic Biometric Authentication Algorithm for Near-Infrared Palm Vascular Patterns. *IEEE Access*, **2020**, 8, 118978-118988	3.5	3
203	Mal de Debarquement Syndrome: A Matter of Loops?. *Frontiers in Neurology*, **2020**, 11, 576860	4.1	2
202	Checking Structural Stability of BDC-Decomposable Systems via Convex Optimisation **2020**, 4, 205-210		4
201	Modelling the COVID-19 epidemic and implementation of population-wide interventions in Italy. *Nature Medicine*, **2020**, 26, 855-860	50.5	845
200	Analysis of coupled genetic oscillators with delayed positive feedback interconnections **2019**,		3
199	Loop analysis of blood pressure/volume homeostasis. *PLoS Computational Biology*, **2019**, 15, e1007346	5	5
198	The joint network/control design of platooning algorithms can enforce guaranteed safety constraints. *Ad Hoc Networks*, **2019**, 94, 101962	4.8	12
197	Network-decentralised optimisation and control: An explicit saturated solution. *Automatica*, **2019**, 103, 379-389	5.7	3

196	A network-decentralised strategy for shortest-path-flow routing **2019**,		1
195	Revised analysis of negative capacitance in ferroelectric-insulator capacitors: analytical and numerical results, physical insight, comparison to experiments **2019**,		3
194	**2019**, 3, 260-265		1
193	Editorial to the Special Issue of L-CSS on Control and Network Theory for Biological Systems **2019**, 3, 228-229		3
192	Biometric Palmprint Verification: A Dynamical System Approach. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 2676-2687	7.3	18
191	Homogeneous Time Constants Promote Oscillations in Negative Feedback Loops. *ACS Synthetic Biology*, **2018**, 7, 1481-1487	5.7	6
190	Switching and sweeping vibration absorbers: Theory and experimental validation. *Automatica*, **2018**, 93, 290-301	5.7	4
189	. *IEEE Transactions on Control of Network Systems*, **2018**, 5, 782-792	4	9
188	A Bounded Complementary Sensitivity Function Ensures Topology-Independent Stability of Homogeneous Dynamical Networks. *IEEE Transactions on Automatic Control*, **2018**, 63, 1140-1146	5.9	5
187	Control-theoretic methods for biological networks **2018**,		8
186	Uncertain Systems: Time-Varying Versus Time-Invariant Uncertainties. *Systems and Control: Foundations and Applications*, **2018**, 3-91	0.3	2
185	A Robust Saturated Strategy for n-Player Prisoner's Dilemma. *SIAM Journal on Control and Optimization*, **2018**, 56, 3478-3498	1.9	0
184	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
183	. *IEEE Transactions on Control of Network Systems*, **2017**, 4, 336-346	4	2
182	Stability analysis of an artificial biomolecular oscillator with non-cooperative regulatory interactions. *Journal of Biological Dynamics*, **2017**, 11, 102-120	2.4	10
181	**2017**, 1, 44-49		3
180	Active Fault Isolation: A Duality-Based Approach via Convex Programming. *SIAM Journal on Control and Optimization*, **2017**, 55, 1619-1640	1.9	17
179	Polyhedral Lyapunov functions structurally ensure global asymptotic stability of dynamical networks iff the Jacobian is non-singular. *Automatica*, **2017**, 86, 183-191	5.7	17

178	A convex programming approach to the inverse kinematics problem for manipulators under constraints. *European Journal of Control*, **2017**, 33, 11-23	2.5	8
177	. *IEEE Transactions on Automatic Control*, **2017**, 62, 2623-2634	5.9	11
176	Discrete-Time Trials for Tuning without a Model. *IFAC-PapersOnLine*, **2017**, 50, 1539-1544	0.7	
175	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	0.7	1
174	A joint network/control design for cooperative automatic driving **2017**,		7
173	Stable LPV realisation of the Smith predictor. *International Journal of Systems Science*, **2016**, 47, 2393-2401	2.3	7
172	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	4.9	12
171	Molecular Titration Promotes Oscillations and Bistability in Minimal Network Models with Monomeric Regulators. *ACS Synthetic Biology*, **2016**, 5, 321-33	5.7	35
170	Optimal control of a class of positive Markovian bilinear systems. *Nonlinear Analysis: Hybrid Systems*, **2016**, 21, 155-170	4.5	3
169	A switched system approach to dynamic race modelling. *Nonlinear Analysis: Hybrid Systems*, **2016**, 21, 37-48	4.5	1
168	Compartmental flow control: Decentralization, robustness and optimality. *Automatica*, **2016**, 64, 18-28	5.7	16
167	Computing the structural influence matrix for biological systems. *Journal of Mathematical Biology*, **2016**, 72, 1927-58	2	24
166	Robust constrained Model Predictive Control of fast electromechanical systems. *Journal of the Franklin Institute*, **2016**, 353, 2087-2103	4	7
165	Guide on set invariance for delay difference equations. *Annual Reviews in Control*, **2016**, 41, 13-23	10.3	10
164	A Youla–Kučera parameterization approach to output feedback relatively optimal control. *Systems and Control Letters*, **2015**, 81, 14-23	2.4	4
163	Set-Theoretic Methods in Control. *Systems and Control: Foundations and Applications*, **2015**,	0.3	68
162	Set Invariance for Delay Difference Equations. *IFAC-PapersOnLine*, **2015**, 48, 215-220	0.7	1
161	Robust linear parameter-varying control of induction motors. *International Journal of Robust and Nonlinear Control*, **2015**, 25, 1783-1800	3.6	

160	Network-Decentralized Control Strategies for Stabilization. *IEEE Transactions on Automatic Control*, **2015**, 60, 491-496	5.9	25
159	Structural conditions for oscillations and multistationarity in aggregate monotone systems **2015**,		10
158	Structural Stability of Biochemical Networks: Quadratic vs. Polyhedral Lyapunov Functions. *IFAC-PapersOnLine*, **2015**, 48, 278-283	0.7	2
157	Plant tuning: A robust Lyapunov approach **2015**,		3
156	Inverse kinematics by means of convex programming: Some developments **2015**,		4
155	Polyhedral Lyapunov functions for structural stability of biochemical systems in concentration and reaction coordinates **2015**,		5
154	Properties of switching-dynamics race models **2015**,		1
153	A dynamic algorithm for palmprint recognition **2015**,		3
152	On the LPV Control Design and Its Applications to Some Classes of Dynamical Systems. *Lecture Notes in Control and Information Sciences*, **2015**, 319-338	0.5	1
151	Switched Positive Linear Systems. *Foundations and Trends in Systems and Control*, **2015**, 2, 101-273	4	66
150	Switching and switched systems. *Systems and Control: Foundations and Applications*, **2015**, 405-466	0.3	5
149	Set-theoretic analysis of dynamic systems. *Systems and Control: Foundations and Applications*, **2015**, 235-287	0.3	7
148	Invariant sets. *Systems and Control: Foundations and Applications*, **2015**, 121-191	0.3	
147	Control of parameter-varying systems. *Systems and Control: Foundations and Applications*, **2015**, 289-335	0.3	
146	Control with time-domain constraints. *Systems and Control: Foundations and Applications*, **2015**, 337-404	0.3	0
145	(Sub-)Optimal Control. *Systems and Control: Foundations and Applications*, **2015**, 467-525	0.3	
144	Related topics. *Systems and Control: Foundations and Applications*, **2015**, 553-596	0.3	
143	Convex sets and their representation. *Systems and Control: Foundations and Applications*, **2015**, 93-119	0.3	

142	Lyapunov and Lyapunov-like functions. *Systems and Control: Foundations and Applications*, **2015**, 27-91	0.3	
141	Set-theoretic estimation. *Systems and Control: Foundations and Applications*, **2015**, 527-551	0.3	
140	Convexity of the cost functional in an optimal control problem for a class of positive switched systems. *Automatica*, **2014**, 50, 1227-1234	5.7	49
139	Switching Gains for Semiactive Damping via Nonconvex Lyapunov Functions. *IEEE Transactions on Control Systems Technology*, **2014**, 22, 721-728	4.8	5
138	Piecewise-linear Lyapunov functions for structural stability of biochemical networks. *Automatica*, **2014**, 50, 2482-2493	5.7	41
137	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		2
136	A structural classification of candidate oscillatory and multistationary biochemical systems. *Bulletin of Mathematical Biology*, **2014**, 76, 2542-69	2.1	28
135	Design of a molecular clock with RNA-mediated regulation **2014**,		7
134	Network-decentralized robust congestion control with node traffic splitting **2014**,		1
133	. *IEEE Transactions on Automatic Control*, **2014**, 59, 107-119	5.9	18
132	Structural Analysis of Biological Networks **2014**, 47-71		1
131	The linear saturated decentralized strategy for constrained flow control is asymptotically optimal. *Automatica*, **2013**, 49, 2206-2212	5.7	16
130	Fair and optimal dynamic admission control of elastic flows. *Computer Networks*, **2013**, 57, 1277-1288	5.4	
129	A universal class of non-homogeneous control Lyapunov functions for linear differential inclusions **2013**,		2
128	Structural properties of the MAPK pathway topologies in PC12 cells. *Journal of Mathematical Biology*, **2013**, 67, 1633-68	2	6
127	A stabilizable switched linear system does not necessarily admit a smooth homogeneous Lyapunov function **2013**,		2
126	**2013**,		12
125	Plate with decentralised velocity feedback loops: Power absorption and kinetic energy considerations. *Journal of Sound and Vibration*, **2012**, 331, 1722-1741	3.9	30

124	. *IEEE Transactions on Automatic Control*, **2012**, 57, 3038-3050	5.9	94
123	Control-based p-persistent adaptive communication protocol. *ACM Transactions on Autonomous and Adaptive Systems*, **2012**, 7, 1-18	1.2	4
122	Determining the structural properties of a class of biological models **2012**,		11
121	Constant and switching gains in semi-active damping of vibrating structures. *International Journal of Control*, **2012**, 85, 1886-1897	1.5	14
120	An LPV control scheme for induction motors **2012**,		3
119	A Convex Optimization Approach to Synthesizing Bounded Complexity ℓ^{∞} Filters. *IEEE Transactions on Automatic Control*, **2012**, 57, 216-221	5.9	12
118	Disturbance-driven model predictive control by means of Youla–Kučera parameter switching with an application to drainage canal control. *International Journal of Robust and Nonlinear Control*, **2012**, 22, 1362-1375	3.6	0
117	Analysis of a negative feedback biochemical oscillator **2012**,		1
116	Parametric Gain-scheduling Control via LPV-stable Realization **2012**, 61-89		1
115	Adaptive plasma current control in RFX-mod. *Fusion Engineering and Design*, **2011**, 86, 1005-1008	1.7	4
114	Robust Stability and Performance of a p-Persistent Communication Protocol. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 13251-13256		1
113	On optimal damping of vibrating structures. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 10268-10273		1
112	Structurally robust biological networks. *BMC Systems Biology*, **2011**, 5, 74	3.5	52
111	Discrete-time control for switched positive systems with application to mitigating viral escape. *International Journal of Robust and Nonlinear Control*, **2011**, 21, 1093-1111	3.6	229
110	A novel algorithm for dynamic admission control of elastic flows **2011**,		2
109	Is stabilization of switched positive linear systems equivalent to the existence of an Hurwitz convex combination of the system matrices? **2011**,		3
108	Multistability and robustness of the MAPK pathway **2011**,		1
107	Gain scheduling versus robust control of LPV systems: The output feedback case **2010**,		3

106	Optimization of Long-Run Average-Flow Cost in Networks With Time-Varying Unknown Demand. *IEEE Transactions on Automatic Control*, **2010**, 55, 20-31	5.9	15
105	Switched control of fluid networks. *Transactions of the Institute of Measurement and Control*, **2010**, 32, 582-602	1.8	5
104	Dynamic optimization algorithms to mitigate HIV escape **2010**,		5
103	*. IEEE Transactions on Automatic Control*, **2010**, 55, 2271-2281	5.9	40
102	A decentralized solution for the constrained minimum cost flow **2010**,		2
101	Vertex/plane characterization of the dwell-time property for switching linear systems **2010**,		10
100	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		5
99	Average Flow Constraints and Stabilizability in Uncertain Production-Distribution Systems. *Journal of Optimization Theory and Applications*, **2010**, 144, 12-28	1.6	3
98	Non-conservative matrix inequality conditions for stability/stabilizability of linear differential inclusions. *Automatica*, **2010**, 46, 190-196	5.7	51
97	Modal and transition dwell time computation in switching systems: A set-theoretic approach. *Automatica*, **2010**, 46, 1477-1482	5.7	27
96	Natural frequency intervals for vibrating systems with polytopic uncertainty. *Journal of Sound and Vibration*, **2010**, 329, 944-959	3.9	3
95	A convex optimization approach to synthesizing bounded complexity lℓFilters **2009**,		1
94	Modal and transition dwell time computation in switching systems: a set-theoretic approach **2009**,		1
93	High-Gain Adaptive Control: A Derivative-Based Approach. *IEEE Transactions on Automatic Control*, **2009**, 54, 2164-2169	5.9	7
92	A Separation Principle for Linear Switching Systems and Parametrization of All Stabilizing Controllers. *IEEE Transactions on Automatic Control*, **2009**, 54, 279-292	5.9	81
91	High-gain adaptive control: A derivative-based approach **2008**,		1
90	Set-Theoretic Methods in Control. *Systems and Control: Foundations and Applications*, **2008**,	0.3	447
89	*. IEEE Transactions on Control Systems Technology*, **2008**, 16, 1066-1074	4.8	10

88	A separation principle for linear switching systems and parametrization of all stabilizing controllers **2008**,		3
87	Polyhedral functions, composite quadratic functions, and equivalent conditions for stability/stabilization **2008**,		2
86	A Mixed Convex/Nonconvex Distributed Localization Approach for the Deployment of Indoor Positioning Services. *IEEE Transactions on Mobile Computing*, **2008**, 7, 1325-1337	4.6	11
85	Dynamic augmentation and complexity reduction of set-based constrained control. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 14324-14329		2
84	Simultaneous performance achievement via compensator blending. *Automatica*, **2008**, 44, 1-14	5.7	9
83	Stabilizability of switched linear systems does not imply the existence of convex Lyapunov functions. *Automatica*, **2008**, 44, 1166-1170	5.7	59
82	Stability results for linear parameter varying and switching systems. *Automatica*, **2007**, 43, 1817-1823	5.7	41
81	A minimum-time control strategy for torque tracking in permanent magnet AC motor drives. *Automatica*, **2007**, 43, 505-512	5.7	3
80	Robust obstacle avoidance for constrained linear discrete time systems: A set-theoretic approach **2007**,		9
79	Relatively Optimal Control: A Static Piecewise-Affine Solution. *SIAM Journal on Control and Optimization*, **2007**, 46, 585-603	1.9	6
78	Extensive study on the control of centrifugal compressor surge. *Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy*, **2006**, 220, 289-304	1.6	23
77	Relatively optimal control with characteristic polynomial assignment and output feedback. *IEEE Transactions on Automatic Control*, **2006**, 51, 183-191	5.9	7
76	Controlling systems via set-theoretic methods: some perspectives **2006**,		1
75	Stabilizability of switched linear systems does not imply the existence of convex Lyapunov functions **2006**,		9
74	Relatively Optimal Control for Continuous-Time Systems **2006**,		3
73	Robust Control Strategies for Multi‑Inventory Systems with Average Flow Constraints **2006**, 77-82		1
72	ROBUST CONTROL STRATEGIES FOR MULTI‑INVENTORY SYSTEMS WITH AVERAGE FLOW CONSTRAINTS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2006**, 39, 77-82		
71	Robust control strategies for multi‑inventory systems with average flow constraints. *Automatica*, **2006**, 42, 1255-1266	5.7	28

70	RELATIVELY OPTIMAL CONTROL: THE STATIC SOLUTION. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2005**, 38, 676-681		4
69	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		
68	STABILITY RESULTS FOR CONTINUOUS AND DISCRETE TIME LINEAR PARAMETER VARYING SYSTEMS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2005**, 38, 227-232		
67	Constrained H∞ Design of PID Controllers **2005**, 297-305		
66	Control of manipulators in a constrained workspace by means of linked invariant sets. *International Journal of Robust and Nonlinear Control*, **2004**, 14, 1185-1205	3.6	23
65	Guaranteed cost control for multi-inventory systems with uncertain demand. *Automatica*, **2004**, 40, 213-223	5.7	10
64	Characterization of PID and lead/lag compensators satisfying given H/sub /spl infin// specifications. *IEEE Transactions on Automatic Control*, **2004**, 49, 736-740	5.9	43
63	Polyhedral lyapunov functions computation for robust and gain scheduled design. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2004**, 37, 835-840		1
62	Effective Information for Offline Stochastic Feedback and Optimal Control of Dynamic Systems. *Journal of Optimization Theory and Applications*, **2003**, 116, 283-310	1.6	5
61	Stabilization of multi-inventory systems with uncertain demand and setups. *IEEE Transactions on Automation Science and Engineering*, **2003**, 19, 103-116		5
60	Suboptimal receding horizon control for continuous-time systems. *IEEE Transactions on Automatic Control*, **2003**, 48, 1081-1086	5.9	5
59	Relatively optimal control and its linear implementation. *IEEE Transactions on Automatic Control*, **2003**, 48, 2151-2162	5.9	17
58	Stabilization of LPV Systems: State Feedback, State Estimation, and Duality. *SIAM Journal on Control and Optimization*, **2003**, 42, 76-97	1.9	58
57	Adaptive control of compressor surge instability. *Automatica*, **2002**, 38, 1373-1380	5.7	27
56	Experimental Evaluation of a High-Gain Control for Compressor Surge Suppression. *Journal of Turbomachinery*, **2002**, 124, 27-35	1.8	11
55	GUARANTEED COST CONTROL FOR MULTI-INVENTORY SYSTEMS WITH UNCERTAIN DEMAND. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2002**, 35, 13-18		
54	Robust rate control for integrated services packet networks. *IEEE/ACM Transactions on Networking*, **2002**, 10, 644-652	3.8	42
53	Min-max control of uncertain multi-inventory systems with multiplicative uncertainties. *IEEE Transactions on Automatic Control*, **2001**, 45, 955-960	5.9	11

52	Robust control of production-distribution systems **2001**, 13-28		1
51	Any Domain of Attraction for a Linear Constrained System is a Tracking Domain of Attraction. *SIAM Journal on Control and Optimization*, **2000**, 38, 971-994	1.9	43
50	Control of production-distribution systems with unknown inputs and system failures. *IEEE Transactions on Automatic Control*, **2000**, 45, 1072-1081	5.9	43
49	Feedback control of production-distribution systems with unknown demand and delays. *IEEE Transactions on Automation Science and Engineering*, **2000**, 16, 313-317		25
48	*. IEEE Transactions on Automatic Control*, **2000**, 45, 2061-2070	5.9	58
47	A convex optimization approach to fixed-order controller design for disturbance rejection in SISO systems. *IEEE Transactions on Automatic Control*, **2000**, 45, 784-789	5.9	19
46	Dynamic programming for robust control: Old ideas and recent developments **1999**, 391-407		
45	Set invariance in control. *Automatica*, **1999**, 35, 1747-1767	5.7	1364
44	A Razumikhin-type lemma for functional differential equations with application to adaptive control. *Automatica*, **1999**, 35, 809-818	5.7	19
43	Discussion on: (A, B)-Invariance Conditions of Polyhedral Domains for Continuous-Time Systems by C.E.T. Dôea and J.-C. Hennet. *European Journal of Control*, **1999**, 5, 82-86	2.5	6
42	A new class of universal Lyapunov functions for the control of uncertain linear systems. *IEEE Transactions on Automatic Control*, **1999**, 44, 641-647	5.9	78
41	Robust state feedback control of LTV systems: nonlinear is better than linear. *IEEE Transactions on Automatic Control*, **1999**, 44, 802-807	5.9	24
40	Numerical computation of polyhedral lyapunov functions for robust synthesis. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **1999**, 32, 2065-2070		
39	Constrained stabilization via smooth Lyapunov functions. *Systems and Control Letters*, **1998**, 35, 155-163	2.4	26
38	Computation of the minimum destabilizing volume for interval and affine families of polynomials. *IEEE Transactions on Automatic Control*, **1998**, 43, 1159-1163	5.9	7
37	Least inventory control of multistorage systems with non-stochastic unknown inputs. *IEEE Transactions on Automation Science and Engineering*, **1997**, 13, 633-645		34
36	Nonlinear controllers for the constrained stabilization of uncertain dynamic systems **1997**, 97-117		0
35	A Network Design Problem for a Distribution System with Uncertain Demands. *SIAM Journal on Optimization*, **1997**, 7, 560-578	2	32

34	Robust performance with fixed and worst-case signals for uncertain time-varying systems. *Automatica*, **1997**, 33, 2183-2189	5.7	20
33	Piecewise-linear functions in robust control **1996**, 213-243		5
32	A feedback strategy for periodic network flows. *Networks*, **1996**, 27, 25-34	1.6	4
31	A dynamic game model for distribution problems with non-stochastic uncertainty. *International Journal of Production Economics*, **1996**, 45, 479-487	9.3	3
30	Constrained stabilization of continuous-time linear systems. *Systems and Control Letters*, **1996**, 28, 95-102	2.4	42
29	On the transient estimate for linear systems with time-varying uncertain parameters. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **1996**, 43, 592-596		27
28	A feedback strategy for periodic network flows **1996**, 27, 25		1
27	Robust control of constrained systems via convex optimization. *International Journal of Robust and Nonlinear Control*, **1995**, 5, 441-460	3.6	2
26	. *IEEE Transactions on Automatic Control*, **1995**, 40, 552-557	5.9	6
25	Constrained stabilization with an assigned initial condition set. *International Journal of Control*, **1995**, 62, 601-617	1.5	27
24	. *IEEE Transactions on Automatic Control*, **1995**, 40, 1127-1131	5.9	43
23	Nonquadratic Lyapunov functions for robust control. *Automatica*, **1995**, 31, 451-461	5.7	259
22	. *IEEE Transactions on Automatic Control*, **1994**, 39, 1487-1492	5.9	26
21	. *IEEE Transactions on Automatic Control*, **1994**, 39, 428-433	5.9	268
20	Constrained Control for Systems with Unknown Disturbances. *Control and Dynamic Systems*, **1992**, 129-182		9
19	POLYHEDRAL SET CONSTRAINED CONTROL FOR DISCRETE-TIME SYSTEMS WITH UNKNOWN ADDITIVE DISTURBANCES **1992**, 95-100		
18	Constrained control for uncertain linear systems. *Journal of Optimization Theory and Applications*, **1991**, 71, 465-484	1.6	59
17	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		1

List of Publications

#	Publication	IF	Cites
16	Control synthesis for discrete time systems with control and state bounds in the presence of disturbances. *Journal of Optimization Theory and Applications*, **1990**, 65, 29-40	1.6	34
15	Controllability analysis and eigenvalue assignment for generalized state-space systems. *Systems and Control Letters*, **1990**, 15, 285-293	2.4	3
14	Computation of the transfer function for singular systems. *International Journal of Systems Science*, **1990**, 21, 407-414	2.3	2
13	**1990**,		11
12	. *IEEE Transactions on Automatic Control*, **1990**, 35, 1231-1234	5.9	104
11	Matrix bidiagonal form. *International Journal of Control*, **1989**, 50, 699-705	1.5	1
10	New canonical form for pole placement. *IEE Proceedings D: Control Theory and Applications*, **1989**, 136, 314		7
9	Suboptimal receding horizon control for continuous-time systems		2
8	Feedback control of production-distribution systems with unknown demand and delays		1
7	Control of production-distribution systems with unknown inputs and system failures		1
6	The gain scheduling and the robust state feedback stabilization problems		2
5	A new class of universal Lyapunov functions for the control of uncertain linear systems		10
4			24
3			18
2	Worst case l/sup /spl infin// to l/sup /spl infin// gain minimization: dynamic versus static state feedback		6
1	An improved safety device for electric chainsaws. *Contemporary Engineering Sciences*,8, 1229-1244	0.8	3