Franco Blanchini

List of Publications by Year
in descending order

243	8,983	109137 35	48187 88
papers	citations	h-index	g-index

252	252	252	5277
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dual Chemical Reaction Networks and Implications for Lyapunov-Based Structural Stability. , 2022, 6, 488-493.		2
2	Fair and Sparse Solutions in Network-Decentralized Flow Control. , 2022, 6, 2984-2989.		1
3	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
4	Acoustic Target Tracking Through a Cluster of Mobile Agents. IEEE Transactions on Cybernetics, 2021, 51, 2587-2600.	6.2	9
5	Structural Properties of Biological and Ecological Systems. , 2021, , 2217-2225.		0
6	Quadratic Constrained Periodic Optimization for Bandlimited Linear Systems Via the Fourier-Based Method. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2021, 143, .	0.9	1
7	Structural analysis in biology: A control-theoretic approach. Automatica, 2021, 126, 109376.	3.0	7
8	Modeling vaccination rollouts, SARS-CoV-2 variants and the requirement for non-pharmaceutical interventions in Italy. Nature Medicine, 2021, 27, 993-998.	15.2	161
9	A threshold mechanism ensures minimum-path flow in lightning discharge. Scientific Reports, 2021, 11, 280.	1.6	4
10	Generalized epidemiological compartmental models: guaranteed bounds via optimal control. , 2021, , .		2
11	Checking Structural Stability of BDC-Decomposable Systems via Convex Optimisation. , 2020, 4, 205-210.		7
12	A Dynamic Biometric Authentication Algorithm for Near-Infrared Palm Vascular Patterns. IEEE Access, 2020, 8, 118978-118988.	2.6	6
13	Mal de Debarquement Syndrome: A Matter of Loops?. Frontiers in Neurology, 2020, 11, 576860.	1.1	12
14	Convergence in uncertain linear systems. Automatica, 2020, 119, 109058.	3.0	1
15	Stabilization of negative capacitance in ferroelectric capacitors with and without a metal interlayer. Nanoscale, 2020, 12, 6121-6129.	2.8	34
16	Asymmetric State Feedback for Linear Plants With Asymmetric Input Saturation. , 2020, 4, 608-613.		11
17	Modelling the COVID-19 epidemic and implementation of population-wide interventions in Italy. Nature Medicine, 2020, 26, 855-860.	15.2	1,373
18	Structural Properties of Biological and Ecological Systems. , 2020, , 1-9.		0

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19	Predicting adaptation for uncertain systems with robust real plots. , 2020, , .		2
20	A multistationary loop model of ALS unveils critical molecular interactions involving mitochondria and glucose metabolism. PLoS ONE, 2020, 15, e0244234.	1.1	8
21	A switched model for mixed cooperative-competitive social dynamics. , 2019, , .		1
22	The joint network/control design of platooning algorithms can enforce guaranteed safety constraints. Ad Hoc Networks, 2019, 94, 101962.	3.4	23
23	Analysis of coupled genetic oscillators with delayed positive feedback interconnections. , 2019, , .		8
24	Loop analysis of blood pressure/volume homeostasis. PLoS Computational Biology, 2019, 15, e1007346.	1.5	10
25	Network-decentralised optimisation and control: An explicit saturated solution. Automatica, 2019, 103, 379-389.	3.0	6
26	A network-decentralised strategy for shortest-path-flow routing. , 2019, , .		3
27	Revised analysis of negative capacitance in ferroelectric-insulator capacitors: analytical and numerical results, physical insight, comparison to experiments. , 2019, , .		5
28	BDC-Decomposition for Global Influence Analysis. , 2019, 3, 260-265.		5
29	Editorial to the Special Issue of L-CSS on Control and Network Theory for Biological Systems. , 2019, 3, 228-229.		3
30	Biometric Palmprint Verification: A Dynamical System Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2676-2687.	5.9	29
31	Homogeneous Time Constants Promote Oscillations in Negative Feedback Loops. ACS Synthetic Biology, 2018, 7, 1481-1487.	1.9	14
32	Switching and sweeping vibration absorbers: Theory and experimental validation. Automatica, 2018, 93, 290-301.	3.0	6
33	Aggregates of Monotonic Step Response Systems: A Structural Classification. IEEE Transactions on Control of Network Systems, 2018, 5, 782-792.	2.4	18
34	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
35	Control-theoretic methods for biological networks. , 2018, , .		9
36	Uncertain Systems: Time-Varying Versus Time-Invariant Uncertainties. Systems and Control: Foundations and Applications, 2018, , 3-91.	0.1	2

#	Article	IF	Citations
37	Fault Isolation for Large Scale Discrete-Time Systems Based on Implicit Set Representation. , 2018, , .		1
38	A Robust Saturated Strategy for n-Player Prisoner's Dilemma. SIAM Journal on Control and Optimization, 2018, 56, 3478-3498.	1.1	1
39	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
40	A Robust Decentralized Control for Channel Sharing Communication. IEEE Transactions on Control of Network Systems, 2017, 4, 336-346.	2.4	2
41	Stability analysis of an artificial biomolecular oscillator with non-cooperative regulatory interactions. Journal of Biological Dynamics, 2017, 11, 102-120.	0.8	11
42	Flow-Inducing Networks. , 2017, 1, 44-49.		3
43	Active Fault Isolation: A Duality-Based Approach via Convex Programming. SIAM Journal on Control and Optimization, 2017, 55, 1619-1640.	1.1	29
44	Polyhedral Lyapunov functions structurally ensure global asymptotic stability of dynamical networks iff the Jacobian is non-singular. Automatica, 2017, 86, 183-191.	3.0	29
45	A convex programming approach to the inverse kinematics problem for manipulators under constraints. European Journal of Control, 2017, 33, 11-23.	1.6	13
46	Model-Free Plant Tuning. IEEE Transactions on Automatic Control, 2017, 62, 2623-2634.	3.6	15
47	Discrete-Time Trials for Tuning without a Model * *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, 1539-1544.	0.5	1
48	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
49	A joint network/control design for cooperative automatic driving. , 2017, , .		9
50	A saturated strategy robustly ensures stability of the cooperative equilibrium for Prisoner's dilemma. , 2016, , .		1
51	Robust constrained Model Predictive Control of fast electromechanical systems. Journal of the Franklin Institute, 2016, 353, 2087-2103.	1.9	11
52	Guide on set invariance for delay difference equations. Annual Reviews in Control, 2016, 41, 13-23.	4.4	22
53	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
54	Molecular Titration Promotes Oscillations and Bistability in Minimal Network Models with Monomeric Regulators. ACS Synthetic Biology, 2016, 5, 321-333.	1.9	40

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55	Optimal control of a class of positive Markovian bilinear systems. Nonlinear Analysis: Hybrid Systems, 2016, 21, 155-170.	2.1	6
56	A switched system approach to dynamic race modelling. Nonlinear Analysis: Hybrid Systems, 2016, 21, 37-48.	2.1	3
57	Compartmental flow control: Decentralization, robustness and optimality. Automatica, 2016, 64, 18-28.	3.0	20
58	Computing the structural influence matrix for biological systems. Journal of Mathematical Biology, 2016, 72, 1927-1958.	0.8	38
59	Stable LPV realisation of the Smith predictor. International Journal of Systems Science, 2016, 47, 2393-2401.	3.7	8
60	Structural conditions for oscillations and multistationarity in aggregate monotone systems. , 2015, , .		14
61	Structural Stability of Biochemical Networks: Quadratic vs. Polyhedral Lyapunov Functions. IFAC-PapersOnLine, 2015, 48, 278-283.	0.5	2
62	Plant tuning: A robust Lyapunov approach. , 2015, , .		3
63	Inverse kinematics by means of convex programming: Some developments. , 2015, , .		6
64	Polyhedral Lyapunov functions for structural stability of biochemical systems in concentration and reaction coordinates. , 2015, , .		5
65	Properties of switching-dynamics race models. , 2015, , .		2
66	A dynamic algorithm for palmprint recognition. , 2015, , .		6
67	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
68	Switched Positive Linear Systems. Foundations and Trends in Systems and Control, 2015, 2, 101-273.	3.8	104
69	A Youlaâ€“KuÄera parameterization approach to output feedback relatively optimal control. Systems and Control Letters, 2015, 81, 14-23.	1.3	11
70	Set-Theoretic Methods in Control. Systems and Control: Foundations and Applications, 2015, , .	0.1	158
71	Set invariance for Delay Difference Equationsâ —a —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 â€“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
72	Robust linear parameterâ€varying control of induction motors. International Journal of Robust and Nonlinear Control, 2015, 25, 1783-1800.	2.1	1

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73	Network-Decentralized Control Strategies for Stabilization. IEEE Transactions on Automatic Control, 2015, 60, 491-496.	3.6	31
74	Switching and switched systems. Systems and Control: Foundations and Applications, 2015, , 405-466.	0.1	5
75	Set-theoretic analysis of dynamic systems. Systems and Control: Foundations and Applications, 2015, , 235-287.	0.1	0
76	Invariant sets. Systems and Control: Foundations and Applications, 2015, , 121-191.	0.1	0
77	Control of parameter-varying systems. Systems and Control: Foundations and Applications, 2015, , 289-335.	0.1	1
78	Control with time-domain constraints. Systems and Control: Foundations and Applications, 2015, , 337-404.	0.1	2
79	(Sub-)Optimal Control. Systems and Control: Foundations and Applications, 2015, , 467-525.	0.1	0
80	Related topics. Systems and Control: Foundations and Applications, 2015, , 553-596.	0.1	0
81	Convex sets and their representation. Systems and Control: Foundations and Applications, 2015, , 93-119.	0.1	0
82	Lyapunov and Lyapunov-like functions. Systems and Control: Foundations and Applications, 2015, , 27-91.	0.1	0
83	Set-theoretic estimation. Systems and Control: Foundations and Applications, 2015, , 527-551.	0.1	0
84	A Structural Classification of Candidate Oscillatory and Multistationary Biochemical Systems. Bulletin of Mathematical Biology, 2014, 76, 2542-2569.	0.9	46
85	Design of a molecular clock with RNA-mediated regulation. , 2014, , .		10
86	Network-decentralized robust congestion control with node traffic splitting. , 2014, , .		1
87	Control-Sharing and Merging Control Lyapunov Functions. IEEE Transactions on Automatic Control, 2014, 59, 107-119.	3.6	23
88	Convexity of the cost functional in an optimal control problem for a class of positive switched systems. Automatica, 2014, 50, 1227-1234.	3.0	79
89	Switching Gains for Semiactive Damping via Nonconvex Lyapunov Functions. IEEE Transactions on Control Systems Technology, 2014, 22, 721-728.	3.2	6
90	Piecewise-linear Lyapunov functions for structural stability of biochemical networks. Automatica, 2014, 50, 2482-2493.	3.0	70

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91	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
92	Structural Analysis of Biological Networks. , 2014, , 47-71.		3
93	The linear saturated decentralized strategy for constrained flow control is asymptotically optimal. Automatica, 2013, 49, 2206-2212.	3.0	19
94	Fair and optimal dynamic admission control of elastic flows. Computer Networks, 2013, 57, 1277-1288.	3.2	1
95	Structural properties of the MAPK pathway topologies in PC12 cells. Journal of Mathematical Biology, 2013, 67, 1633-1668.	0.8	7
96	Further results on merging control Lyapunov functions for linear differential inclusions. , 2013, , .		0
97	A stabilizable switched linear system does not necessarily admit a smooth homogeneous Lyapunov function. , 2013, , .		2
98	Structured-LMI conditions for stabilizing network-decentralized control. , 2013, , .		14
99	A universal class of non-homogeneous control Lyapunov functions for linear differential inclusions. , 2013, , .		3
100	A Wii-controlled safety device for electric chainsaws. Journal of Agricultural Engineering, 2013, 44, .	0.7	2
101	Analysis of a negative feedback biochemical oscillator. , 2012, , .		1
102	Co-Positive Lyapunov Functions for the Stabilization of Positive Switched Systems. IEEE Transactions on Automatic Control, 2012, 57, 3038-3050.	3.6	132
103	Control-based p-persistent adaptive communication protocol. ACM Transactions on Autonomous and Adaptive Systems, 2012, 7, 1-18.	0.4	4
104	Determining the structural properties of a class of biological models. , 2012, , .		15
105	Constant and switching gains in semi-active damping of vibrating structures. International Journal of Control, 2012, 85, 1886-1897.	1.2	20
106	An LPV control scheme for induction motors. , 2012, , .		8
107	A Convex Optimization Approach to Synthesizing Bounded Complexity <formula formulatype="inline"><tex Notation="TeX">ell^{infty}</tex> </formula> Filters. IEEE Transactions on Automatic Control, 2012, 57, 216-221.	3.6	21
108	Disturbanceâ€driven model predictive control by means of Youlaâ€“KuÄera parameter switching with an application to drainage canal control. International Journal of Robust and Nonlinear Control, 2012, 22, 1362-1375.	2.1	1

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109	Plate with decentralised velocity feedback loops: Power absorption and kinetic energy considerations. Journal of Sound and Vibration, 2012, 331, 1722-1741.	2.1	33
110	Parametric Gain-scheduling Control via LPV-stable Realization. , 2012, , 61-89.		2
111	A novel algorithm for dynamic admission control of elastic flows. , 2011, , .		2
112	Adaptive plasma current control in RFX-mod. Fusion Engineering and Design, 2011, 86, 1005-1008.	1.0	5
113	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
114	On optimal damping of vibrating structures. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 10268-10273.	0.4	4
115	Structurally robust biological networks. BMC Systems Biology, 2011, 5, 74.	3.0	67
116	Discreteâ€time control for switched positive systems with application to mitigating viral escape. International Journal of Robust and Nonlinear Control, 2011, 21, 1093-1111.	2.1	309
117	Is stabilization of switched positive linear systems equivalent to the existence of an Hurwitz convex combination of the system matrices?. , 2011, , .		5
118	Multistability and robustness of the MAPK pathway. , 2011, , .		1
119	Bounded complexity ℓ[℞] filters for switched systems. , 2011, , .		2
120	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
121	Average Flow Constraints and Stabilizability inÂUncertain Production-Distribution Systems. Journal of Optimization Theory and Applications, 2010, 144, 12-28.	0.8	5
122	Non-conservative matrix inequality conditions for stability/stabilizability of linear differential inclusions. Automatica, 2010, 46, 190-196.	3.0	66
123	Modal and transition dwell time computation in switching systems: A set-theoretic approach. Automatica, 2010, 46, 1477-1482.	3.0	43
124	Natural frequency intervals for vibrating systems with polytopic uncertainty. Journal of Sound and Vibration, 2010, 329, 944-959.	2.1	3
125	Parametrization of all stabilizing compensators for absorbable nonlinear systems. , 2010, , .		1
126	Gain scheduling versus robust control of LPV systems: The output feedback case. , 2010, , .		4

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127	Optimization of Long-Run Average-Flow Cost in Networks With Time-Varying Unknown Demand. IEEE Transactions on Automatic Control, 2010, 55, 20-31.	3.6	20
128	Switched control of fluid networks. Transactions of the Institute of Measurement and Control, 2010, 32, 582-602.	1.1	5
129	Dynamic optimization algorithms to mitigate HIV escape. , 2010, , .		5
130	Stable LPV Realization of Parametric Transfer Functions and Its Application to Gain-Scheduling Control Design. IEEE Transactions on Automatic Control, 2010, 55, 2271-2281.	3.6	56
131	A decentralized solution for the constrained minimum cost flow. , 2010, , .		3
132	Vertex/plane characterization of the dwell-time property for switching linear systems. , 2010, , .		17
133	Control-based p-persistent adaptive communication protocol. , 2010, , .		2
134	A convex optimization approach to synthesizing bounded complexity l[∞] filters. , 2009, , .		9
135	Stable LPV realization of parametric transfer functions and its application to gain-scheduling control design. , 2009, , .		2
136	Modal and transition dwell time computation in switching systems: a set-theoretic approach. , 2009, , .		1
137	High-Gain Adaptive Control: A Derivative-Based Approach. IEEE Transactions on Automatic Control, 2009, 54, 2164-2169.	3.6	11
138	A Separation Principle for Linear Switching Systems and Parametrization of All Stabilizing Controllers. IEEE Transactions on Automatic Control, 2009, 54, 279-292.	3.6	113
139	Simultaneous performance achievement via compensator blending. Automatica, 2008, 44, 1-14.	3.0	13
140	Stabilizability of switched linear systems does not imply the existence of convex Lyapunov functions. Automatica, 2008, 44, 1166-1170.	3.0	75
141	High-gain adaptive control: A derivative-based approach. , 2008, , .		1
142	Set-Theoretic Methods in Control. Systems and Control: Foundations and Applications, 2008, , .	0.1	784
143	Lyapunov and Lyapunov-like functions. , 2008, , 27-72.		0
144	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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145	A separation principle for linear switching systems and parametrization of all stabilizing controllers. , 2008, , .		3
146	Polyhedral functions, composite quadratic functions, and equivalent conditions for stability/stabilization. , 2008, , .		2
147	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
148	Dynamic augmentation and complexity reduction of set-based constrained control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 14324-14329.	0.4	5
149	Set-theoretic analysis of dynamic systems. , 2008, , 191-234.		1
150	(Sub-)Optimal control. Systems and Control: Foundations and Applications, 2008, , 337-388.	0.1	0
151	Convex sets and their representation. Systems and Control: Foundations and Applications, 2008, , 73-97.	0.1	0
152	Control of parameter-varying systems. Systems and Control: Foundations and Applications, 2008, , 235-269.	0.1	0
153	Related topics. Systems and Control: Foundations and Applications, 2008, , 415-450.	0.1	0
154	Set-theoretic estimation. , 2008, , 389-413.		0
155	Control with time-domain constraints. , 2008, , 271-335.		0
156	Average flow constraints and stabilizability in uncertain production-distribution systems. Proceedings of the American Control Conference, 2007, , .	0.0	1
157	Robust obstacle avoidance for constrained linear discrete time systems: A set-theoretic approach. , 2007, , .		11
158	Relatively optimal control: a static piecewise-affine solution. , 2007, , .		0
159	Mixed Convex/Non-Convex Distributed Localization Algorithm for the Deployment of Indoor Positioning Services. Proceedings of the American Control Conference, 2007, , .	0.0	0
160	Relatively Optimal Control: A Static Piecewiseâ€Affine Solution. SIAM Journal on Control and Optimization, 2007, 46, 585-603.	1.1	13
161	Stability results for linear parameter varying and switching systems. Automatica, 2007, 43, 1817-1823.	3.0	56
162	A minimum-time control strategy for torque tracking in permanent magnet AC motor drives. Automatica, 2007, 43, 505-512.	3.0	3

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163	Set Based Control Synthesis for State and Velocity Constrained Systems. , 2007, , 341-368.		1
164	Robust Control Strategies for Multiâ€“Inventory Systems with Average Flow Constraints. , 2006, , 77-82.		1
165	ROBUST CONTROL STRATEGIES FOR MULTIâ€”INVENTORY SYSTEMS WITH AVERAGE FLOW CONSTRAINTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 77-82.	0.4	0
166	Robust control strategies for multiâ€“inventory systems with average flow constraints. Automatica, 2006, 42, 1255-1266.	3.0	32
167	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.	0.8	34
168	Relatively Optimal Control With Characteristic Polynomial Assignment and Output Feedback. IEEE Transactions on Automatic Control, 2006, 51, 183-191.	3.6	15
169	Controlling systems via set-theoretic methods: some perspectives. , 2006, , .		1
170	Stabilizability of switched linear systems does not imply the existence of convex Lyapunov functions. , 2006, , .		13
171	Relatively Optimal Control for Continuous-Time Systems. , 2006, , .		5
172	RELATIVELY OPTIMAL CONTROL: THE STATIC SOLUTION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 676-681.	0.4	6
173	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.	0.4	0
174	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
175	Control of manipulators in a constrained workspace by means of linked invariant sets. International Journal of Robust and Nonlinear Control, 2004, 14, 1185-1205.	2.1	24
176	Guaranteed cost control for multi-inventory systems with uncertain demand. Automatica, 2004, 40, 213-223.	3.0	12
177	Enhancing controller performance for robot positioning in a constrained environment. , 2004, , .		1
178	Characterization of PID and Lead/Lag Compensators Satisfying Given<tex>$cal H_infty$</tex>Specifications. IEEE Transactions on Automatic Control, 2004, 49, 736-740.	3.6	52
179	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
180	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

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181	Stabilization of multi-inventory systems with uncertain demand and setups. IEEE Transactions on Automation Science and Engineering, 2003, 19, 103-116.	2.4	7
182	Suboptimal receding horizon control for continuous-time systems. IEEE Transactions on Automatic Control, 2003, 48, 1081-1086.	3.6	7
183	Relatively optimal control and its linear implementation. IEEE Transactions on Automatic Control, 2003, 48, 2151-2162.	3.6	28
184	Stabilization of LPV Systems: State Feedback, State Estimation, and Duality. SIAM Journal on Control and Optimization, 2003, 42, 76-97.	1.1	71
185	Experimental Evaluation of a High-Gain Control for Compressor Surge Suppression. Journal of Turbomachinery, 2002, 124, 27-35.	0.9	14
186	GUARANTEED COST CONTROL FOR MULTI-INVENTORY SYSTEMS WITH UNCERTAIN DEMAND. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 13-18.	0.4	0
187	Robust rate control for integrated services packet networks. IEEE/ACM Transactions on Networking, 2002, 10, 644-652.	2.6	54
188	Adaptive control of compressor surge instability. Automatica, 2002, 38, 1373-1380.	3.0	34
189	Limits and Trade-Off in the Control of Compressor Surge. , 2002, , .		0
190	Min-max control of uncertain multi-inventory systems with multiplicative uncertainties. IEEE Transactions on Automatic Control, 2001, 45, 955-960.	3.6	14
191	Robust control of production-distribution systems. , 2001, , 13-28.		6
192	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.	1.1	60
193	Control of production-distribution systems with unknown inputs and system failures. IEEE Transactions on Automatic Control, 2000, 45, 1072-1081.	3.6	57
194	Feedback control of production-distribution systems with unknown demand and delays. IEEE Transactions on Automation Science and Engineering, 2000, 16, 313-317.	2.4	35
195	The gain scheduling and the robust state feedback stabilization problems. IEEE Transactions on Automatic Control, 2000, 45, 2061-2070.	3.6	80
196	A convex optimization approach to fixed-order controller design for disturbance rejection in SISO systems. IEEE Transactions on Automatic Control, 2000, 45, 784-789.	3.6	30
197	Dynamic programming for robust control: Old ideas and recent developments. , 1999, , 391-407.		0
198	Set invariance in control. Automatica, 1999, 35, 1747-1767.	3.0	1,857

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199	A Razumikhin-type lemma for functional differential equations with application to adaptive control. Automatica, 1999, 35, 809-818.	3.0	22
200	Discussion on: â€˜(A, B)-Invariance Conditions of Polyhedral Domains for Continuous-Time Systemsâ€™ by C.E.T. DÃ³rea and J.-C. Hennet. European Journal of Control, 1999, 5, 82-86.	1.6	7
201	A new class of universal Lyapunov functions for the control of uncertain linear systems. IEEE Transactions on Automatic Control, 1999, 44, 641-647.	3.6	113
202	Robust state feedback control of LTV systems: nonlinear is better than linear. IEEE Transactions on Automatic Control, 1999, 44, 802-807.	3.6	32
203	Numerical computation of polyhedral lyapunov functions for robust synthesis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 2065-2070.	0.4	0
204	Constrained stabilization via smooth Lyapunov functions. Systems and Control Letters, 1998, 35, 155-163.	1.3	32
205	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
206	Least inventory control of multistorage systems with non-stochastic unknown inputs. IEEE Transactions on Automation Science and Engineering, 1997, 13, 633-645.	2.4	47
207	Nonlinear controllers for the constrained stabilization of uncertain dynamic systems. , 1997, , 97-117.		1
208	A Network Design Problem for a Distribution System with Uncertain Demands. SIAM Journal on Optimization, 1997, 7, 560-578.	1.2	45
209	Robust performance with fixed and worst-case signals for uncertain time-varying systems. Automatica, 1997, 33, 2183-2189.	3.0	26
210	Piecewise-linear functions in robust control. , 1996, , 213-243.		13
211	A feedback strategy for periodic network flows. Networks, 1996, 27, 25-34.	1.6	8
212	A dynamic game model for distribution problems with non-stochastic uncertainty. International Journal of Production Economics, 1996, 45, 479-487.	5.1	5
213	Constrained stabilization of continuous-time linear systems. Systems and Control Letters, 1996, 28, 95-102.	1.3	56
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