

Pedro L D Peres

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Stabilization and H_2 Static Output-Feedback Control of Discrete-Time Positive Linear Systems. IEEE Transactions on Automatic Control, 2022, 67, 1446-1452.	3.6	5
2	An LMI Approach for Stability Analysis and Output-Feedback Stabilization of Discrete-Time Lur'e Systems Using Zames-Falb Multipliers. , 2022, 6, 710-715.		7
3	Reduced Order Positive Filter Design for Positive Uncertain Discrete-Time Linear Systems. , 2022, 6, 1148-1153.		5
4	H_∞ Model Match Output-Feedback Control by Means of an LMI-Based Algorithm. , 2022, 6, 560-565.		0
5	Robust H_2 and H_∞ control for positive continuous-time uncertain linear systems. Journal of the Franklin Institute, 2022, 359, 4842-4855.	1.9	1
6	Control design of uncertain discrete-time Lur'e systems with sector and slope bounded nonlinearities. International Journal of Robust and Nonlinear Control, 2022, 32, 7001-7015.	2.1	1
7	Computing stabilising output-feedback gains for continuous-time linear time-varying systems through discrete-time periodic models. International Journal of Control, 2021, 94, 687-697.	1.2	3
8	H_∞ non-minimal filter design in finite frequency ranges for discrete-time Takagi-Sugeno fuzzy systems with time-varying delays. Journal of the Franklin Institute, 2020, 357, 622-634.	1.9	11
9	An LMI-based algorithm for static output-feedback stabilization of continuous-time positive polytopic linear systems. IFAC-PapersOnLine, 2020, 53, 4559-4564.	0.5	1
10	An LMI-based iterative algorithm for state and output feedback stabilization of discrete-time Lur'e systems. , 2020, , .		1
11	Robust Finite-Time Boundedness for Linear Time-Varying Systems. IFAC-PapersOnLine, 2020, 53, 4756-4761.	0.5	2
12	Local state-feedback stabilization of continuous-time Takagi-Sugeno fuzzy systems. IFAC-PapersOnLine, 2020, 53, 7995-8000.	0.5	2
13	H_∞ static output-feedback control for positive uncertain discrete-time linear systems. , 2019, , .		0
14	Local stability analysis and estimation of domains of attraction for nonlinear systems via Takagi-Sugeno fuzzy modeling. , 2019, , .		2
15	Robust stability, H_2 and H_∞ guaranteed costs for discrete time-varying uncertain linear systems with constrained parameter variations. , 2019, , .		2
16	and H_∞ control for positive continuous-time uncertain linear systems. Journal of the Franklin Institute, 2022, 359, 4842-4855.	1.6	3
17	Digital redesign of analogue dynamic output-feedback controllers for polytopic systems. International Journal of Control, 2019, 92, 1764-1777.	1.2	0
18	Algorithm 998. ACM Transactions on Mathematical Software, 2019, 45, 1-25.	1.6	64

#	ARTICLE	IF	CITATIONS
19	A new methodology to compute stabilizing control laws for continuous-time LTV systems. International Journal of Robust and Nonlinear Control, 2018, 28, 4045-4057.	2.1	4
20	H_2 and H_2 memory static output-feedback control design for uncertain discrete-time linear systems. IFAC-PapersOnLine, 2018, 51, 90-95.	0.5	6
21	Gain-Scheduled H_2 Control for Discrete-Time Polynomial LPV Systems Using Homogeneous Polynomial Path-Dependent Lyapunov Functions. IFAC-PapersOnLine, 2018, 51, 179-184.	0.5	3
22	L_2 -gain filter design for continuous-time LPV systems in finite frequency domain. IFAC-PapersOnLine, 2018, 51, 161-166.	0.5	0
23	LMI-based stability tests for LPV and switched discrete-time linear systems through redundant equations. IFAC-PapersOnLine, 2018, 51, 149-154.	0.5	3
24	H_2 and H_∞ mode-independent state-feedback control of generalized Bernoulli jump systems with uncertain probabilities*. , 2018, , .		0
25	An LMI approach for H_2 and H_∞ mode-independent state-feedback control of generalized Bernoulli jump systems with uncertain probabilities*. , 2018, , .	3.0	23
26	H_∞ static output-feedback controllers with past outputs for discrete-time uncertain linear systems. , 2018, , .		0
27	H_∞ filter design with low- and middle-frequency specifications for continuous-time linear systems: LMI conditions derived from two different extensions of the KYP lemma. , 2018, , .		0
28	Robust PI and PID design for first- and second-order processes with zeros, time-delay and structured uncertainties. International Journal of Systems Science, 2017, 48, 95-106.	3.7	10
29	Robust Stability Analysis of Grid-Connected Converters Based on Parameter-Dependent Lyapunov Functions. Journal of Control, Automation and Electrical Systems, 2017, 28, 159-170.	1.2	4
30	Non-minimal order low-frequency H_2 filtering for uncertain discrete-time systems. IFAC-PapersOnLine, 2017, 50, 6477-6482.	0.5	1
31	H_2 and H_2 digital redesign of analog controllers for continuous-time polytopic systems * *Supported by the Brazilian agencies CAPES, CNPq, FAPDF, and FAPESP (Proc. 2014/22881-1). IFAC-PapersOnLine, 2017, 50, 6691-6696.	0.5	1
32	Reduced-order dynamic output feedback control of uncertain discrete-time Markov jump linear systems. International Journal of Control, 2017, 90, 2368-2383.	1.2	17
33	Robust non-minimal order filter and smoother design for discrete-time uncertain systems. International Journal of Robust and Nonlinear Control, 2017, 27, 661-678.	2.1	9
34	H_2 and H_2 dynamic output feedback control of continuous-time Markov systems with uncertain rates using LMIs * *Supported by the Brazilian agencies CAPES, CNPq, and FAPESP (Proc. 2014/22881-1). IFAC-PapersOnLine, 2017, 50, 11343-11348.	0.5	0
35	Gain-scheduled H_2 non-minimal order filtering design for linear parameter-varying discrete-time systems * *Supported by Brazilian agencies CAPES, CNPq, and grant 2013/05957-1, Sao Paulo Research Foundation (FAPESP). IFAC-PapersOnLine, 2017, 50, 11391-11396.	0.5	0
36	H_2 and H_2 filtering and control of discrete-time polytopic systems with state multiplicative noise. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
37	An LMI approach for robust stabilization of aperiodic uncertain sampled-data systems. , 2017, , .		1
38	Robust H^∞ filtering with auxiliary past output measurements. , 2016, , .		1
39	Fixed-Order Linear Parameter-Varying Feedback Control of a Lab-Scale Overhead Crane. IEEE Transactions on Control Systems Technology, 2016, 24, 1899-1907.	3.2	15
40	An iterative LMI based procedure for robust stabilization of continuous-time polytopic systems. , 2016, , .		6
41	LMI-based design of H^∞ dynamic output feedback controllers for MJLS with uncertain transition probabilities. , 2016, , .		5
42	Robust H_2 filtering for discrete-time uncertain systems with auxiliary past output measurements. , 2016, , .		0
43	State-feedback and filtering problems using the generalized KYP lemma. , 2016, , .		9
44	An LMI approach for H_2 dynamic output feedback control of discrete-time Markov systems with uncertain probabilities. , 2016, , .		1
45	Robust H_2 filter design with past output measurements for uncertain discrete-time systems. Automatica, 2016, 71, 151-158.	3.0	44
46	and control design for polytopic continuous-time Markov jump linear systems with uncertain transition rates. International Journal of Robust and Nonlinear Control, 2016, 26, 599-612.	2.1	29
47	Linear quadratic networked control of uncertain polytopic systems. International Journal of Robust and Nonlinear Control, 2016, 26, 2299-2313.	2.1	4
48	A new approach to handle additive and multiplicative uncertainties in the measurement for LPV filtering. International Journal of Systems Science, 2016, 47, 1042-1053.	3.7	46
49	Robust stabilization and H^∞ control by means of state-feedback for polytopic linear systems using LMIs and scalar searches. , 2015, , .		5
50	Linear filter design for continuous-time polynomial systems with H_2 -gain guaranteed bound. , 2015, , .		1
51	An iterative convex approach for fixed-order robust H^∞ control of discrete-time linear systems with parametric uncertainty. , 2015, , .		0
52	H^∞ control of discrete-time linear systems with parametric uncertainty. , 2015, , .	3.0	21
53	Robust H_2 and H^∞ control of discrete-time linear systems with parametric uncertainty. , 2015, , .	2.1	24
54	Robust H_2 memory filters for uncertain discrete-time linear systems. , 2015, , .		2

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55	Reduced-order H_2 control of discrete-time LPV systems with experimental validation on an overhead crane test setup. , 2015, , .		2
56	Discretization and event triggered digital output feedback control of LPV systems. Systems and Control Letters, 2015, 86, 54-65.	1.3	30
57	and filter design for polytopic continuous-time Markov jump linear systems with uncertain transition rates. International Journal of Adaptive Control and Signal Processing, 2015, 29, 1207-1223.	2.3	16
58	and nonquadratic stabilisation of discrete-time Takagi-Sugeno systems based on multi-instant fuzzy Lyapunov functions. International Journal of Systems Science, 2015, 46, 76-87.	3.7	11
59	H_2 filter design through multi-simplex modeling for discrete-time Markov jump linear systems with partly unknown transition probability matrix. , 2014, , .		5
60	Mode-Independent H_2 Control of a DC Motor Modeled as a Markov Jump Linear System. IEEE Transactions on Control Systems Technology, 2014, 22, 1915-1919.	3.2	93
61	Addendum to H_2 control of discrete-time Markov jump linear systems with uncertain transition probability matrix: improved LMI relaxations and multi-simplex modeling™. IET Control Theory and Applications, 2014, 8, 1605-1605.	1.2	0
62	Discretization and discrete-time output feedback control of linear parameter varying continuous-time systems. , 2014, , .		3
63	H_2 static output feedback control of discrete-time Markov jump linear systems with uncertain transition probability matrix. , 2014, , .		7
64	H_2 guaranteed cost computation of discretized uncertain continuous-time systems. , 2014, , .		1
65	Robust H_2 static output feedback to control an automotive throttle valve. , 2014, , .		6
66	H_2 filter design for nonlinear polynomial systems. Systems and Control Letters, 2014, 70, 77-84.		1
67	*** H_2 Filter Design through Multi-simplex Modeling for Discrete-time Markov Jump Linear Systems with Partly Unknown Transition Probability Matrix. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5049-5054.	0.4	3
68	LMI Relaxations for H_∞ and H_2 Static Output Feedback of Takagi-Sugeno Continuous-Time Fuzzy Systems. Journal of Control, Automation and Electrical Systems, 2013, 24, 33-45.	1.2	7
69	An Adaptive Run Length Encoding method for the compression of electrocardiograms. Medical Engineering and Physics, 2013, 35, 145-153.	0.8	22
70	Robust state feedback control for discrete-time linear systems via LMIs with a scalar parameter. , 2013, , .		24
71	Delay-dependent robust H_2 filter design for state-delayed discrete-time linear systems via homogeneous polynomial matrices. IET Control Theory and Applications, 2013, 7, 125-135.	1.2	18
72	H_2 control of discrete-time Markov jump linear systems with uncertain transition probability matrix: improved linear matrix inequality relaxations and multi-simplex modelling. IET Control Theory and Applications, 2013, 7, 1665-1674.	1.2	34

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73	Robust stability and stabilization of discrete-time Markov jump linear systems with partly unknown transition probability matrix. , 2013, , .		7
74	ℋ<inf>∞</inf> dynamic output feedback for LPV systems subject to inexactly measured scheduling parameters. , 2013, , .		16
75	A new procedure for discretization and state feedback control of uncertain linear systems. , 2013, , .		19
76	H̃ Filter Design for Nonlinear Quadratic Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 634-639.	0.4	1
77	Observer-based stabilization of uncertain linear systems with recycle: An LMI approach. , 2013, , .		2
78	H<inf>ẫ</inf> LPV filtering for discrete-time linear systems subject to additive and multiplicative uncertainties in the measurement. , 2013, , .		4
79	A numerical procedure to compute stabilizing state feedback gains for linear time-varying periodic systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 678-683.	0.4	2
80	LMI Relaxations for Reduced-Order Robust \mathcal{H}_∞ Control of Continuous-Time Uncertain Linear Systems. IEEE Transactions on Automatic Control, 2012, 57, 1532-1537.	3.6	89
81	Reduced-order dynamic output feedback control of continuous-time TéS fuzzy systems. Fuzzy Sets and Systems, 2012, 207, 27-44.	1.6	31
82	Gainéscheduled dynamic output feedback control for discreteétime LPV systems. International Journal of Robust and Nonlinear Control, 2012, 22, 535-558.	2.1	90
83	MPC for LPV systems with bounded parameter variations. International Journal of Control, 2011, 84, 24-36.	1.2	51
84	Robust state feedback LMI methods for continuous-time linear systems: Discussions, extensions and numerical comparisons. , 2011, , .		62
85	Robust PID design for second-order processes with time-delay and structured uncertainties.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 4614-4619.	0.4	11
86	An LMI-Based Approach to Static Output Feedback Stabilization of TéS Fuzzy Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 12593-12598.	0.4	4
87	H̃ Parameter-Dependent Filter Design for Arbitrarily Time-Varying LPV Systems*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 7927-7932.	0.4	6
88	Selective \mathcal{H}_2 and \mathcal{H}_∞ Stabilization of TakagiéSugeno Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2011, 19, 890-900.	6.5	67
89	Robust \mathcal{H}_2 static output feedback design starting from a parameterédependent state feedback controller for timeéinvariant discreteétime polytopic systems. Optimal Control Applications and Methods, 2011, 32, 1-13.	1.3	27
90	Robust \mathcal{H}_2 static output feedback design starting from a parameterédependent state feedback controller for timeéinvariant discreteétime polytopic systems. Optimal Control Applications and Methods, 2011, 32, 1-13.	2.1	109

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91	Improved conditions for reduced-order H_2 filter design as a static output feedback problem. , 2011, , .		4
92	Robust H_2 filter design for polytopic linear discrete-time delay systems via LMIs and polynomial matrices. , 2011, , .		4
93	Improved stabilization conditions for Takagi-Sugeno fuzzy systems via fuzzy integral Lyapunov functions. , 2011, , .		11
94	Robust H_2 networked control for systems with uncertain sampling rates. IET Control Theory and Applications, 2010, 4, 50-60.	1.2	27
95	Gain-scheduled H_2 and H_∞ control of discrete-time polytopic time-varying systems. IET Control Theory and Applications, 2010, 4, 362-380.	1.2	108
96	A BMI approach for H_2 gain scheduling of discrete time-varying systems. International Journal of Robust and Nonlinear Control, 2010, 20, 1255-1268.	2.1	19
97	RelaxaÃ§Ãµes convexas de convergÃancia garantida para o projeto de controladores para sistemas nebulosos de Takagi-Sugeno. Controle and Automacao, 2010, 21, 82-95.	0.2	2
98	A new method for robust Schur stability analysis. International Journal of Control, 2010, 83, 2181-2192.	1.2	2
99	Robust H_2 static output-feedback design for time-invariant discrete-time polytopic systems from parameter-dependent state-feedback gains. , 2010, , .		20
100	Stability analysis and state feedback control design of discrete-time systems with a backlash. , 2010, , .		2
101	Static output feedback control of polytopic systems using polynomial Lyapunov functions. , 2010, , .		21
102	Assessing Asymptotic Stability of Linear Continuous Time-Varying Systems by Computing the Envelope of all Trajectories. IEEE Transactions on Automatic Control, 2010, 55, 998-1003.	3.6	12
103	H_∞ filtering for discrete-time linear systems with bounded time-varying parameters. Signal Processing, 2010, 90, 282-291.	2.1	29
104	Selective stabilization of Takagi-Sugeno fuzzy systems. , 2010, , .		4
105	Robust H_2 filter design for polytopic linear systems via LMIs and polynomial matrices. , 2010, , .		3
106	Selective gain-scheduling for continuous-time linear systems with parameters in multi-simplex. , 2009, , .		8
107	H_∞ filtering of networked systems with time-varying sampling rates. , 2009, , .		4
108	Robust H_∞ state feedback control of discrete-time systems with state delay: an LMI approach. IMA Journal of Mathematical Control and Information, 2009, 26, 357-373.	1.1	18

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109	Robust absolute stability and nonlinear state feedback stabilization based on polynomial Lurâ€™e functions. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 70, 1803-1812.	0.6	15
110	Time-varying discrete-time linear systems with bounded rates of variation: Stability analysis and control design. <i>Automatica</i> , 2009, 45, 2620-2626.	3.0	59
111	Convergent LMI Relaxations for Quadratic Stabilizability and H_{∞} Control of Takagi-Sugeno Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2009, 17, 863-873.	6.5	116
112	Robust stability, H_2 analysis and stabilisation of discrete-time Markov jump linear systems with uncertain probability matrix. <i>International Journal of Control</i> , 2009, 82, 470-481.	1.2	40
113	Stability analysis and gain-scheduled state feedback control for continuous-time systems with bounded parameter variations. <i>International Journal of Control</i> , 2009, 82, 1045-1059.	1.2	40
114	Control design for bilinear systems with a guaranteed region of stability: An LMI-based approach. , 2009, , .		41
115	LMI relaxations for nonquadratic stabilization of discrete-time Takagi-Sugeno systems based on polynomial fuzzy Lyapunov functions. , 2009, , .		3
116	A Zero Padding SVD Encoder to Compress Electrocardiogram. , 2009, , .		0
117	Special time-varying Lyapunov function for robust stability analysis of linear parameter varying systems with bounded parameter variation. <i>IET Control Theory and Applications</i> , 2009, 3, 1448-1461.	1.2	13
118	Model predictive control for linear parameter varying systems using path-dependent Lyapunov functions*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009, 42, 97-102.	0.4	4
119	Gain-Scheduled H_{∞} -Control for Discrete-Time Polytopic LPV Systems Using Homogeneous Polynomially Parameter-Dependent Lyapunov Functions. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009, 42, 19-24.	0.4	7
120	A convex optimization procedure to compute H_2 and H_{∞} norms for uncertain linear systems in polytopic domains. <i>Optimal Control Applications and Methods</i> , 2008, 29, 295-312.	1.3	28
121	Parameter-dependent and filter design for linear systems with arbitrarily time-varying parameters in polytopic domains. <i>Signal Processing</i> , 2008, 88, 1801-1816.	2.1	37
122	Convergent LMI relaxations for robust analysis of uncertain linear systems using lifted polynomial parameter-dependent Lyapunov functions. <i>Systems and Control Letters</i> , 2008, 57, 680-689.	1.3	63
123	Robust LMIs with parameters in multi-simplex: Existence of solutions and applications. , 2008, , .		67
124	H_{∞} gain scheduling for discrete-time systems with control delays and time-varying parameters: a BMI approach. , 2008, , .		3
125	Necessary and sufficient numerical conditions for asymptotic stability of linear time-varying systems. , 2008, , .		6
126	H_{∞} robust memory controllers for networked control systems: uncertain sampling rates and time delays in polytopic domains. , 2008, , .		3

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127	Robust performance using lifted polynomial parameter-dependent Lyapunov functions. International Journal of Control, 2008, 81, 1089-1101.	1.2	7
128	Gain-scheduled H ₂ control of discrete-time polytopic time-varying systems. , 2008, , .		11
129	H ₂ filtering of time-varying systems with bounded rates of variation. , 2008, , .		1
130	Robust stability analysis and control design for time-varying discrete-time polytopic systems with bounded parameter variation. , 2008, , .		14
131	Parameter-dependent Lyapunov functions for robust stability analysis of time-varying systems in polytopic domains. , 2007, , .		3
132	Asymptotically exact H ₂ guaranteed cost computation by means of a special parameter-dependent Lyapunov function. , 2007, , .		4
133	Introducing the Analysis of Bifurcation in Dynamical Systems by Symbolic Computation. International Journal of Electrical Engineering and Education, 2007, 44, 289-306.	0.4	0
134	H ₂ dynamic output feedback scheduled controllers for linear time-varying polytopic systems: A convex LMI approach. , 2007, , .		0
135	A genetic algorithm to compress electrocardiograms using parameterized wavelets. , 2007, , .		3
136	Necessary and sufficient LMI conditions to compute quadratically stabilizing state feedback controllers for Takagi-Sugeno systems. Proceedings of the American Control Conference, 2007, , .	0.0	32
137	Schur stability of polytopic systems through positivity analysis of matrix-valued polynomials. , 2007, , .		1
138	Robust absolute stability and stabilization based on homogeneous polynomially parameter-dependent Lur'e functions. Proceedings of the American Control Conference, 2007, , .	0.0	3
139	Parameter-Dependent LMIs in Robust Analysis: Characterization of Homogeneous Polynomially Parameter-Dependent Solutions Via LMI Relaxations. IEEE Transactions on Automatic Control, 2007, 52, 1334-1340.	3.6	376
140	Linear matrix inequality characterisation for H_2 and H_∞ guaranteed cost gain-scheduling quadratic stabilisation of linear time-varying polytopic systems. IET Control Theory and Applications, 2007, 1, 1726-1735.	1.2	20
141	Global optimization for the H_2 -norm model reduction problem. International Journal of Systems Science, 2007, 38, 125-138.	3.7	15
142	Gain-Scheduled Controllers for Linear Parameter-Varying Systems with Saturating Actuators: LMI-based Design. Proceedings of the American Control Conference, 2007, , .	0.0	16
143	Estabilidade robusta de sistemas neutrais com atrasos variantes no tempo. Controle and Automacao, 2007, 18, 434-446.	0.2	1
144	Condições LMI do teorema do ganho pequeno escalonado para análise de estabilidade de sistemas incertos com atraso. Controle and Automacao, 2007, 18, 447-458.	0.2	1

#	ARTICLE	IF	CITATIONS
145	Existence of Homogeneous Polynomial Solutions for Parameter-Dependent Linear Matrix Inequalities with Parameters in the Simplex. , 2006, , .		48
146	H _∞ LPV Filtering for Linear Systems with Arbitrarily Time-varying Parameters in Polytopic Domains. , 2006, , .		8
147	LMI relaxations for robust H ₂ performance analysis of polytopic linear systems. , 2006, , .		13
148	Scaled Small Gain Conditions for Robust Stability of Time-Delay Systems: An LMI Approach. , 2006, , .		0
149	Improved Estimation of Stability Regions for Uncertain Linear Systems with Saturating Actuators: an LMI-based Approach. , 2006, , .		10
150	H _∞ GUARANTEED COST OF NEUTRAL SYSTEMS WITH TIME-VARYING DELAY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 447-452.	0.4	0
151	LMI RELAXATIONS FOR HOMOGENEOUS POLYNOMIAL SOLUTIONS OF PARAMETER-DEPENDENT LMIS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 543-548.	0.4	6
152	State feedback control of switched linear systems: An LMI approach. Journal of Computational and Applied Mathematics, 2006, 194, 192-206.	1.1	70
153	LMI conditions for robust stability analysis based on polynomially parameter-dependent Lyapunov functions. Systems and Control Letters, 2006, 55, 52-61.	1.3	170
154	State Feedback Gain Scheduling for Linear Systems With Time-Varying Parameters. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2006, 128, 365-370.	0.9	7
155	Design of H _∞ Gain-Scheduled Controllers for Linear Time-Varying Systems by means of Polynomial Lyapunov Functions. , 2006, , .		14
156	H _∞ GUARANTEED COST COMPUTATION VIA POLYNOMIALLY PARAMETER-DEPENDENT LYAPUNOV FUNCTIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 13-18.	0.4	8
157	Stability of polytopes of matrices via affine parameter-dependent Lyapunov functions: Asymptotically exact LMI conditions. Linear Algebra and Its Applications, 2005, 405, 209-228.	0.4	128
158	LMI approach for \hat{A} linear parameter-varying state feedback control. IET Control Theory and Applications, 2005, 152, 195-201.	1.7	73
159	Pole location control design of an active suspension system with uncertain parameters. Vehicle System Dynamics, 2005, 43, 561-579.	2.2	16
160	Estabilidade robusta de sistemas lineares através de desigualdades matriciais lineares. Controle and Automacao, 2004, 15, 24-40.	0.2	7
161	Design of a switched control with pole location constraints for a UPS system. , 2004, , .		6
162	H _∞ guaranteed cost computation by means of parameter-dependent Lyapunov functions. Automatica, 2004, 40, 1053-1061.	3.0	79

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163	Robust stability and performance of linear time-varying systems in polytopic domains. International Journal of Control, 2004, 77, 1343-1352.	1.2	22
164	Robust control through piecewise Lyapunov functions for discrete time-varying uncertain systems. International Journal of Control, 2004, 77, 230-238.	1.2	27
165	2guaranteed cost computation by means of parameter dependent Lyapunov functions. International Journal of Systems Science, 2004, 35, 305-315.	3.7	23
166	A Simple and Less Conservative Test for $\{Bbb D\}$ -Stability. SIAM Journal on Matrix Analysis and Applications, 2004, 26, 415-425.	0.7	7
167	AlocaÃ§Ã£o robusta de pÃ³los atravÃ©s de realimentaÃ§Ã£o de estados dependente de parÃ¢metros. Controle and Automacao, 2004, 15, 127-134.	0.2	0
168	CondiÃ§Ãµes LMI para estabilidade robusta de politopos de matrizes polinomiais. Controle and Automacao, 2004, 15, 388-400.	0.2	0
169	Improving the MODEX algorithm for direction estimation. Signal Processing, 2003, 83, 2047-2051.	2.1	25
170	Robust Kalman filtering for uncertain discrete-time linear systems. International Journal of Robust and Nonlinear Control, 2003, 13, 1225-1238.	2.1	13
171	An improved lmi condition for robust D-stability of uncertain polytopic systems. IEEE Transactions on Automatic Control, 2003, 48, 500-504.	3.6	171
172	Analysis of piecewise-linear oscillators with hysteresis. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 1120-1124.	0.1	21
173	$\langle i \rangle ABCD \langle /i \rangle$ Matrix: A Unique Tool for Linear Two-Wire Transmission Line Modelling. International Journal of Electrical Engineering and Education, 2003, 40, 220-229.	0.4	20
174	Less conservative time-delay independent LMI conditions for continuous-time polytopic systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 263-268.	0.4	1
175	The linear interpolation method: a sampling theorem approach. Controle and Automacao, 2003, 14, 439-444.	0.2	2
176	Robust stability of time-delay continuous-time systems in polytopic domains. , 2003, , .		3
177	A GLOBAL OPTIMIZATION APPROACH FOR THE PROBLEM OF CONTROLLER ORDER REDUCTION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 307-312.	0.4	0
178	A new LMI condition for robust stability of polynomial matrix polytopes. IEEE Transactions on Automatic Control, 2002, 47, 1775-1779.	3.6	10
179	An LMI condition for the robust stability of uncertain continuous-time linear systems. IEEE Transactions on Automatic Control, 2002, 47, 675-678.	3.6	164
180	Delay-dependent stabilisation and disturbance tolerance for time-delay systems subject to actuator saturation. IET Control Theory and Applications, 2002, 149, 387-393.	1.7	23

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181	A DOA Estimator Based on Linear Prediction and Total Least Squares. Journal of Communication and Information Systems, 2002, 17, 71-78.	0.2	1
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