

Reinaldo Martinez Palhares

List of Publications by Year in descending order

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180
papers

4,568
citations

117571

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181
docs citations

181
times ranked

2634
citing authors

#	ARTICLE	IF	CITATIONS
1	Plug-and-Play Distributed Control of Large-Scale Nonlinear Systems. IEEE Transactions on Cybernetics, 2023, 53, 2062-2073.	6.2	4
2	Codesign of Dynamic Event-Triggered Gain-Scheduling Control for a Class of Nonlinear Systems. IEEE Transactions on Automatic Control, 2022, 67, 4186-4193.	3.6	9
3	Decision tree and artificial immune systems for stroke prediction in imbalanced data. Expert Systems With Applications, 2022, 191, 116221.	4.4	20
4	Robust fault hiding approach for T α S fuzzy systems with unmeasured premise variables. Information Sciences, 2022, 589, 690-715.	4.0	5
5	Learning event-triggered control based on evolving data-driven fuzzy granular models. International Journal of Robust and Nonlinear Control, 2022, 32, 2805-2827.	2.1	8
6	Dual-Rate Control Framework With Safe Watermarking Against Deception Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7494-7506.	5.9	8
7	A novel polynomial membership functions based control method for T α S fuzzy systems. ISA Transactions, 2022, 129, 192-203.	3.1	3
8	Static output-feedback stabilization of discrete-time linear parameter-varying systems under actuator saturation. International Journal of Robust and Nonlinear Control, 2022, 32, 5799-5809.	2.1	2
9	Dynamic event-triggered gain-scheduling control of discrete-time quasi-LPV systems. Automatica, 2022, 141, 110292.	3.0	12
10	Guaranteed region of attraction estimation for time-delayed fuzzy systems via static output-feedback control. Automatica, 2022, 143, 110438.	3.0	3
11	A sufficient condition to design unknown input observers for nonlinear systems with arbitrary relative degree. International Journal of Robust and Nonlinear Control, 2022, 32, 8331-8348.	2.1	5
12	Stabilization of rational nonlinear discrete-time systems by State Feedback and Static Output Feedback. European Journal of Control, 2022, , 100718.	1.6	0
13	Distributed Control of Networked Nonlinear Systems via Interconnected Takagi-Sugeno Fuzzy Systems With Nonlinear Consequent. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4858-4867.	5.9	23
14	Robust Set-Invariance Based Fuzzy Output Tracking Control for Vehicle Autonomous Driving Under Uncertain Lateral Forces and Steering Constraints. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5849-5860.	4.7	47
15	Constrained Output-Feedback Control for Discrete-Time Fuzzy Systems With Local Nonlinear Models Subject to State and Input Constraints. IEEE Transactions on Cybernetics, 2021, 51, 4673-4684.	6.2	21
16	Finite-horizon suboptimal control of Markov jump linear parameter-varying systems. International Journal of Control, 2021, 94, 2659-2668.	1.2	3
17	Improved robust gain-scheduling static output-feedback control for discrete-time LPV systems. European Journal of Control, 2021, 58, 11-16.	1.6	13
18	Passivation blocks for fault tolerant control of nonlinear systems. Automatica, 2021, 125, 109450.	3.0	17

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19	New gain-scheduling control conditions for time-varying delayed LPV systems. Journal of the Franklin Institute, 2021, 359, 719-719.	1.9	4
20	Delayed nonquadratic L_2 control of continuous-time nonlinear Takagi-Sugeno fuzzy models. Information Sciences, 2021, 563, 59-69.	4.0	11
21	Static output-feedback control for Cyber-physical LPV systems under DoS attacks. Information Sciences, 2021, 563, 241-255.	4.0	24
22	An adaptive approach for estimation of transition probability matrix in the interacting multiple model filter. Journal of Intelligent and Fuzzy Systems, 2021, 41, 155-166.	0.8	3
23	Dynamic periodic event-triggered gain-scheduling control co-design for quasi-LPV systems. Nonlinear Analysis: Hybrid Systems, 2021, 41, 101044.	2.1	13
24	Adaptive gain-scheduling control for continuous-time systems with polytopic uncertainties: An LMI-based approach. Automatica, 2021, 133, 109856.	3.0	5
25	Gain-scheduled control design for discrete-time nonlinear systems using difference algebraic representations. International Journal of Robust and Nonlinear Control, 2021, 31, 1542-1563.	2.1	3
26	Local Sampled-Data Gain-Scheduling Control of quasi-LPV Systems. IFAC-PapersOnLine, 2021, 54, 86-91.	0.5	1
27	A Multiple-Parameterization Approach for local stabilization of constrained Takagi-Sugeno fuzzy systems with nonlinear consequents. Information Sciences, 2020, 506, 295-307.	4.0	45
28	Uncertain Data Modeling Based on Evolving Ellipsoidal Fuzzy Information Granules. IEEE Transactions on Fuzzy Systems, 2020, 28, 2427-2436.	6.5	13
29	Set-Invariance Based Fuzzy Output Tracking Control for Vehicle Autonomous Driving under Uncertain Lateral Forces and Steering Constraints. , 2020, , .		1
30	Robust sampled-data controller design for uncertain nonlinear systems via Euler discretization. International Journal of Robust and Nonlinear Control, 2020, 30, 8244-8258.	2.1	13
31	Data-driven prognostics of rolling element bearings using a novel Error Based Evolving Takagi-Sugeno Fuzzy Model. Applied Soft Computing Journal, 2020, 96, 106628.	4.1	19
32	Generalized non-monotonic Lyapunov functions for analysis and synthesis of Takagi-Sugeno fuzzy systems. Journal of Intelligent and Fuzzy Systems, 2020, 39, 4147-4158.	0.8	4
33	Fault tolerant control for linear parameter varying systems: An improved robust virtual actuator and sensor approach. ISA Transactions, 2020, 104, 356-369.	3.1	34
34	On discrete-time LPV control using delayed Lyapunov functions. Asian Journal of Control, 2020, 23, 2359.	1.9	11
35	TS fuzzy reconfiguration blocks for fault tolerant control of nonlinear systems. Journal of the Franklin Institute, 2020, 357, 4592-4623.	1.9	30
36	Stability and stabilization for LPV systems based on Lyapunov functions with non-monotonic terms. Journal of the Franklin Institute, 2020, 357, 6595-6614.	1.9	26

#	ARTICLE	IF	CITATIONS
37	Gain-scheduled control for discrete-time nonlinear parameter-varying systems with time-varying delays. IET Control Theory and Applications, 2020, 14, 3217-3229.	1.2	10
38	Dissipativity and Stability Recovery by Fault Hiding. IFAC-PapersOnLine, 2020, 53, 4121-4126.	0.5	1
39	Fault Prognostics of Rolling Bearings Using a Hybrid Approach. IFAC-PapersOnLine, 2020, 53, 4082-4087.	0.5	0
40	Artificial Intelligence in Industrial Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 9636-9640.	5.2	14
41	Control Synthesis for Fuzzy Systems with Local Nonlinear Models Subject to Actuator Saturation. , 2019, , .		1
42	Constrained robust model predicted control of discrete-time Markov jump linear systems. IET Control Theory and Applications, 2019, 13, 517-525.	1.2	15
43	Fuzzy Control Systems: Past, Present and Future. IEEE Computational Intelligence Magazine, 2019, 14, 56-68.	3.4	214
44	Efficient LMI Conditions for Enhanced Stabilization of Discrete-Time Takagi-Sugeno Models via Delayed Nonquadratic Lyapunov Functions. IEEE Transactions on Fuzzy Systems, 2019, 27, 1833-1843.	6.5	34
45	A Novel Fault-Prognostic Approach Based on Interacting Multiple Model Filters and Fuzzy Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 519-528.	5.2	36
46	Guest Editorial Focused Section on Health Monitoring, Management, and Control of Complex Mechatronic Systems. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1-4.	3.7	6
47	Robust Guidance Strategy for Target Circulation by Controlled UAV. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 1415-1431.	2.6	25
48	A simple necessary and sufficient LMI condition for the strong delay-independent stability of LTI systems with single delay. Automatica, 2018, 89, 407-410.	3.0	15
49	Regional robust stabilisation and domain-of-attraction estimation for MIMO uncertain nonlinear systems with input saturation. International Journal of Control, 2018, 91, 215-229.	1.2	12
50	Avoiding Matrix Inversion in Takagi-Sugeno-Based Advanced Controllers and Observers. IEEE Transactions on Fuzzy Systems, 2018, 26, 216-225.	6.5	5
51	A novel fault prognostic approach based on particle filters and differential evolution. Applied Intelligence, 2018, 48, 834-853.	3.3	11
52	Sim3Tanks: A Benchmark Model Simulator for Process Control and Monitoring. IEEE Access, 2018, 6, 62234-62254.	2.6	12
53	Implementing advanced Takagi-Sugeno controllers: application to throttle control of a gasoline engine. IFAC-PapersOnLine, 2018, 51, 145-150.	0.5	0
54	Transforming variable transport delays into fixed ones: An application to a conveyor belt problem. , 2018, , .		0

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55	Air-fuel ratio fuzzy controller handling delay: Comparison with a PI/Smith. , 2018, , .		0
56	A New Scheme for Fault Detection and Classification Applied to DC Motor. TeMa, 2018, 19, 327.	0.1	3
57	An adaptation of particle swarm clustering applied in basal cell carcinoma, squamous cell carcinoma of the skin and actinic keratosis. Meta Gene, 2017, 12, 72-77.	0.3	7
58	Artificial immune systems applied to fault detection and isolation: A brief review of immune response-based approaches and a case study. Applied Soft Computing Journal, 2017, 57, 118-131.	4.1	15
59	Adaptive fault detection and diagnosis using parsimonious Gaussian mixture models trained with distributed computing techniques. Journal of the Franklin Institute, 2017, 354, 2543-2572.	1.9	11
60	Improved Takagi-Sugeno fuzzy output tracking control for nonlinear networked control systems. Journal of the Franklin Institute, 2017, 354, 7280-7305.	1.9	25
61	Formal Non-Fragile Stability Verification of Digital Control Systems with Uncertainty. IEEE Transactions on Computers, 2017, 66, 545-552.	2.4	19
62	PID Tuning for Time-Varying Delay Systems Based on Modified Smith Predictor 1 This work has been supported by the Brazilian agencies CAPES, CNPq, and FAPEMIG.. IFAC-PapersOnLine, 2017, 50, 1269-1274.	0.5	8
63	A comparison of different upper-bound inequalities for the membership functions derivative. IFAC-PapersOnLine, 2017, 50, 3001-3006.	0.5	6
64	A new air-fuel ratio model fixing the transport delay: Validation and control. , 2017, , .		6
65	MONITORING THE STATOR CURRENT IN INDUCTION MACHINES FOR POSSIBLE FAULT DETECTION: A FUZZY/BAYESIAN APPROACH FOR THE PROBLEM OF TIME SERIES MULTIPLE CHANGE POINT DETECTION. Pesquisa Operacional, 2016, 36, 301-320.	0.1	0
66	Replica of an Advanced Takagi-Sugeno discrete observer without matrix inversion. , 2016, , .		2
67	LMI-based adaptive control for uncertain polytopic systems. , 2016, , .		0
68	Counterpart of Advanced TS discrete controller without matrix inversion. IFAC-PapersOnLine, 2016, 49, 182-187.	0.5	3
69	Advanced model based air path management using a discrete-angular controller in idle-speed context. IFAC-PapersOnLine, 2016, 49, 611-618.	0.5	6
70	Estimation-based control law for approximating Takagi-Sugeno-based controller. , 2016, , .		0
71	A new fault classification approach applied to Tennessee Eastman benchmark process. Applied Soft Computing Journal, 2016, 49, 676-686.	4.1	38
72	LMI-based control synthesis of constrained Takagi-Sugeno fuzzy systems subject to $\frac{d\ x\ }{dt} \leq \rho \ x\ $ $\ x(t)\ \leq \rho^t \ x(0)\ $	0.5	3

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73	LMI design method for networked-based PID control. International Journal of Control, 2016, 89, 1962-1971.	1.2	8
74	Data-driven fault detection and isolation scheme for a wind turbine benchmark. Renewable Energy, 2016, 87, 634-645.	4.3	58
75	Conditions for Consensus of Multi-Agent Systems With Time-Delays and Uncertain Switching Topology. IEEE Transactions on Industrial Electronics, 2016, 63, 1258-1267.	5.2	98
76	Output Tracking Control for Networked Control Systems. , 2016, , .		1
77	Observer design to control individual cylinder spark advance for idle speed management of a SI engine. , 2015, , .		2
78	Revisiting the <scp>TP</scp> Model Transformation: Interpolation and Rule Reduction. Asian Journal of Control, 2015, 17, 392-401.	1.9	28
79	Evolving Granular Fuzzy Model-Based Control of Nonlinear Dynamic Systems. IEEE Transactions on Fuzzy Systems, 2015, 23, 923-938.	6.5	82
80	On multicriteria decision making under conditions of uncertainty. Information Sciences, 2015, 324, 44-59.	4.0	28
81	Generalized Algorithms of Discrete Optimization and Their Power Engineering Applications. Engineering, 2015, 07, 530-543.	0.4	0
82	Periodic Takagi-Sugeno Observers for Individual Cylinder Spark Imbalance in Idle Speed Control Context. , 2015, , .		2
83	A Combined Method for Segmentation and Registration for an Advanced and Progressive Evaluation of Thermal Images. Sensors, 2014, 14, 21950-21967.	2.1	25
84	Longitudinal Model Identification and Velocity Control of an Autonomous Car. IEEE Transactions on Intelligent Transportation Systems, 2014, , 1-11.	4.7	18
85	New delay-interval stability condition. International Journal of Systems Science, 2014, 45, 300-306.	3.7	14
86	On delay-dependent stability conditions for Takagi-Sugeno fuzzy systems. Journal of the Franklin Institute, 2014, 351, 3707-3718.	1.9	62
87	Fault detection in dynamic systems by a Fuzzy/Bayesian network formulation. Applied Soft Computing Journal, 2014, 21, 647-653.	4.1	43
88	Parameter estimation of dynamic fuzzy models from uncertain data streams. , 2014, , .		2
89	Robust decoupling control synthesis. , 2014, , .		3
90	New Stability Conditions Based on Piecewise Fuzzy Lyapunov Functions and Tensor Product Transformations. IEEE Transactions on Fuzzy Systems, 2013, 21, 748-760.	6.5	78

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91	Fault Detection in Linear Systems Subject to Uncertain Parameters and Time-Delay* *The authors have been supported by the Brazilian agencies CNPq, CAPES and FAPEMIG.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 570-575.	0.4	0
92	SYNCHRONIZING CONTINUOUS TIME CHAOTIC SYSTEMS OVER NONDETERMINISTIC NETWORKS WITH PACKET DROPOUTS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250300.	0.7	5
93	Immune inspired Fault Detection and Diagnosis: A fuzzy-based approach of the negative selection algorithm and participatory clustering. Expert Systems With Applications, 2012, 39, 12474-12486.	4.4	35
94	Robust decoupling PI controllers for multi-loop control. , 2012, , .		1
95	Using information on membership function shapes in asymptotically exact triangulation approaches. , 2012, , .		2
96	A Transitional View of Immune Inspired Techniques for Anomaly Detection. Lecture Notes in Computer Science, 2012, , 568-577.	1.0	6
97	A fuzzy/Bayesian approach for the time series change point detection problem. Pesquisa Operacional, 2011, 31, 217-234.	0.1	3
98	Stability analysis of Takagi-Sugeno fuzzy systems via LMI: methodologies based on a new fuzzy Lyapunov function. Controle and Automacao, 2011, 22, 664-676.	0.2	5
99	New Lyapunov function and extra information on membership functions for improving stability conditions of TS systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3398-3402.	0.4	5
100	Fuzzy/Bayesian change point detection approach to incipient fault detection. IET Control Theory and Applications, 2011, 5, 539-551.	1.2	19
101	Multicriteria analysis based on constructing payoff matrices and applying methods of decision making in a fuzzy environment. Optimization and Engineering, 2011, 12, 5-29.	1.3	8
102	Incipient fault detection in induction machine stator-winding using a fuzzy-Bayesian change point detection approach. Applied Soft Computing Journal, 2011, 11, 179-192.	4.1	45
103	A new discretized Lyapunov-Krasovskii functional for stability analysis and control design of time-delayed TS fuzzy systems. International Journal of Robust and Nonlinear Control, 2011, 21, 93-105.	2.1	54
104	A novel Artificial Immune System for fault behavior detection. Expert Systems With Applications, 2011, 38, 6957-6966.	4.4	42
105	Decision making in fuzzy environment and multicriteria power engineering problems. International Journal of Electrical Power and Energy Systems, 2011, 33, 623-632.	3.3	32
106	Parameter estimation on linear time-varying systems. Journal of the Franklin Institute, 2011, 348, 777-789.	1.9	6
107	Stability analysis of linear time-varying systems: Improving conditions by adding more information about parameter variation. Systems and Control Letters, 2011, 60, 338-343.	1.3	21
108	Less Conservative Fuzzy Control for Discrete-Time Takagi-Sugeno Systems. Mathematical Problems in Engineering, 2011, 2011, 1-21.	0.6	11

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109	Multiobjective robust discrete dynamic output-feedback control synthesis based on closed-loop reference model. , 2011, , .		2
110	Improved synthesis method for network-based control. International Journal of Systems Science, 2011, 42, 1821-1830.	3.7	8
111	Robust H_2/H_∞ /reference model dynamic output-feedback control synthesis. International Journal of Control, 2011, 84, 2067-2080.	1.2	12
112	A Necessary and Sufficient First Delay-Interval Stability Condition. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 319-324.	0.4	0
113	Design of an Artificial Immune System for fault detection: A Negative Selection Approach. Expert Systems With Applications, 2010, 37, 5507-5513.	4.4	73
114	Interval time-varying delay stability for neural networks. Neurocomputing, 2010, 73, 2789-2792.	3.5	72
115	Design of an artificial immune system based on Danger Model for fault detection. Expert Systems With Applications, 2010, 37, 5145-5152.	4.4	41
116	A flexible consensus scheme for multicriteria group decision making under linguistic assessments. Information Sciences, 2010, 180, 1075-1089.	4.0	197
117	Condições LMI's alternativas para sistemas Takagi-Sugeno via função de Lyapunov Fuzzy. Controle and Automacao, 2010, 21, 96-107.	0.2	1
118	Multiobjective robust dynamic output-feedback control synthesis based on reference model. , 2010, , .		2
119	Equivalent techniques, extra comparisons and less conservative control design for Takagi-Sugeno (TS) fuzzy systems. IET Control Theory and Applications, 2010, 4, 2813-2822.	1.2	39
120	Incipient fault detection in induction machine stator-winding using a fuzzy-Bayesian two change points detection approach. , 2010, , .		1
121	Synchronisation of chaotic delayed artificial neural networks: an H_∞ control approach. International Journal of Systems Science, 2009, 40, 937-944.	3.7	14
122	Robust model reduction of uncertain systems maintaining uncertainty structure. International Journal of Control, 2009, 82, 2158-2168.	1.2	15
123	Fuzzy set based models and methods of multicriteria group decision making. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e409-e419.	0.6	29
124	Improved asymptotic stability analysis for uncertain delayed state neural networks. Chaos, Solitons and Fractals, 2009, 39, 240-247.	2.5	14
125	Novel stability criteria for uncertain delayed Cohen-Grossberg neural networks using discretized Lyapunov functional. Chaos, Solitons and Fractals, 2009, 41, 2387-2393.	2.5	8
126	Stability independent of delay using rational functions. Automatica, 2009, 45, 2128-2133.	3.0	40

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127	A systematic approach to improve multiple Lyapunov function stability and stabilization conditions for fuzzy systems. Information Sciences, 2009, 179, 1149-1162.	4.0	265
128	Reducing conservativeness in recent stability conditions of TS fuzzy systems. Automatica, 2009, 45, 1580-1583.	3.0	239
129	Novel delay-dependent Kalman/Luenberger-type filter design for neutral systems. International Journal of Control, 2009, 82, 2327-2334.	1.2	4
130	On Stability and Stabilization of Tê“S Fuzzy Time-Delayed Systems. IEEE Transactions on Fuzzy Systems, 2009, 17, 1450-1455.	6.5	61
131	A novel approach for robust PID synthesis for uncertain systems. Journal of Process Control, 2008, 18, 19-26.	1.7	60
132	Multicriteria analysis in decision making under information uncertainty. Applied Mathematics and Computation, 2008, 200, 501-516.	1.4	46
133	ROBUST H_{∞} CONTROL FOR MASTER-SLAVE SYNCHRONIZATION OF LUR'E SYSTEMS WITH TIME-DELAY FEEDBACK CONTROL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1161-1173.	0.7	30
134	New improved delay-dependent H_{∞} filter design for uncertain neutral systems. IET Control Theory and Applications, 2008, 2, 1033-1043.	1.2	28
135	Assessing stability of time-delay systems using rational systems. , 2008, , .		7
136	FURTHER RESULTS ON MASTER-SLAVE SYNCHRONIZATION OF GENERAL LUR'E SYSTEMS WITH TIME-VARYING DELAY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 187-202.	0.7	32
137	Improved robust H_{∞} control for neutral systems via discretised Lyapunov-Krasovskii functional. International Journal of Control, 2008, 81, 1462-1474.	1.2	20
138	Análise de estabilidade assintótica e exponencial em redes neurais artificiais sujeitas a retardo no tempo e a incertezas do tipo politópicas. Controle and Automacao, 2008, 19, 115-127.	0.2	0
139	EXPERIMENTAL RESULTS ON CHUA'S CIRCUIT ROBUST SYNCHRONIZATION VIA LMIs. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 3199-3209.	0.7	9
140	H_2 and H_{∞} -guaranteed cost computation of uncertain linear systems. IET Control Theory and Applications, 2007, 1, 201-209.	1.2	20
141	New strategy for robust stability analysis of discrete-time uncertain systems. Systems and Control Letters, 2007, 56, 516-524.	1.3	13
142	Design of mixed H_2/H_{∞} control systems using algorithms inspired by the immune system. Information Sciences, 2007, 177, 4368-4386.	4.0	22
143	Discrete optimization algorithms and problems of decision making in a fuzzy environment. Nonlinear Analysis: Hybrid Systems, 2007, 1, 593-602.	2.1	2
144	Asymptotic stability analysis in uncertain multi-delayed state neural networks via Lyapunov-Krasovskii theory. Mathematical and Computer Modelling, 2007, 45, 1350-1362.	2.0	26

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145	Chaotic Synchronization and Information Transmission Experiments: A Fuzzy Relaxed H_∞ Control Approach. <i>Circuits, Systems, and Signal Processing</i> , 2007, 26, 427-449.	1.2	17
146	H_2/H_∞ filter design for systems with polytope-bounded uncertainty. <i>IEEE Transactions on Signal Processing</i> , 2006, 54, 3620-3626.	3.2	52
147	H_2/H_∞ Robust PID Synthesis for Uncertain Systems. , 2006, , .		11
148	Fuzzy preference modeling and its application to multiobjective decision making. <i>Computers and Mathematics With Applications</i> , 2006, 52, 179-196.	1.4	20
149	Fuzzy set based multiobjective allocation of resources and its applications. <i>Computers and Mathematics With Applications</i> , 2006, 52, 197-210.	1.4	20
150	Algorithm 860. <i>ACM Transactions on Mathematical Software</i> , 2006, 32, 609-621.	1.6	15
151	Fuzzy preference relations in models of decision making. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2005, 63, e735-e741.	0.6	14
152	Delay-dependent robust H_∞ control of uncertain linear systems with lumped delays. <i>IET Control Theory and Applications</i> , 2005, 152, 27-33.	1.7	46
153	Improved optimisation approach to the robust H_2/H_∞ control problem for linear systems. <i>IET Control Theory and Applications</i> , 2005, 152, 171-176.	1.7	26
154	Delay-dependent robust H_∞ control of uncertain linear systems with time-varying delays. <i>Computers and Mathematics With Applications</i> , 2005, 50, 13-32.	1.4	30
155	Fuzzy Logic Based Control of Voltage and Reactive Power in Subtransmission System. <i>Lecture Notes in Computer Science</i> , 2005, , 332-337.	1.0	0
156	Discussion on: "H ∞ Output Feedback Control Design for Uncertain Fuzzy Systems with Multiple Time Scales: An LMI Approach". <i>European Journal of Control</i> , 2005, 11, 167-169.	1.6	1
157	Discussion on: H Output Feedback Control Design for Uncertain Fuzzy Systems with Multiple Time Scales: An LMI Approach. <i>European Journal of Control</i> , 2005, 11, 167-170.	1.6	7
158	Fuzzy Preference Relations and Multiobjective Decision Making. , 2005, , 83-92.		1
159	Estimation of Pareto sets in the mixed control problem. <i>International Journal of Systems Science</i> , 2004, 35, 55-67.	3.7	23
160	Fuzzy Coefficients and Fuzzy Preference Relations in Models of Decision Making. <i>Lecture Notes in Computer Science</i> , 2003, , 229-236.	1.0	1
161	LMI approach to the mixed H_2/H_∞ filtering design for discrete-time uncertain systems. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2001, 37, 292-296.	2.6	85
162	Robust H_∞ filter design for uncertain linear systems with multiple time-varying state delays. <i>IEEE Transactions on Signal Processing</i> , 2001, 49, 569-576.	3.2	214

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163	Robust \hat{H}_∞ filtering for uncertain discrete-time state-delayed systems. IEEE Transactions on Signal Processing, 2001, 49, 1696-1703.	3.2	177
164	Robust H_∞ control for uncertain state-delayed linear systems with Markovian jumping parameters. , 2001, , .		2
165	Robust H_∞ Filtering for Linear Continuous-Time Uncertain Systems With Multiple Delays: An LMI Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 249-254.	0.4	14
166	A Linear Matrix Inequality Approach to The Peak-to-Peak Guaranteed Cost Filtering Design. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 29-34.	0.4	10
167	Robust filtering with guaranteed energy-to-peak performance " an LMI approach. Automatica, 2000, 36, 851-858.	3.0	172
168	Robust filter design with pole constraints for discrete-time systems. Journal of the Franklin Institute, 2000, 337, 713-723.	1.9	36
169	Mixed filtering for uncertain linear systems: A linear matrix inequality approach. International Journal of Systems Science, 2000, 31, 1091-1098.	3.7	6
170	Discrete-time singular observers: H_2/H_∞ optimality and unknown inputs. International Journal of Control, 1999, 72, 481-492.	1.2	10
171	Robust \hat{H}_∞ -Filtering Design with Pole Placement Constraint via Linear Matrix Inequalities. Journal of Optimization Theory and Applications, 1999, 102, 239-261.	0.8	77
172	Robust filtering with guaranteed energy-to-peak performance " an LMI approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 1814-1819.	0.4	16
173	Optimal filtering schemes for linear discrete-time systems: a linear matrix inequality approach. International Journal of Systems Science, 1998, 29, 587-593.	3.7	25
174	Noise Patterns in Observed Systems: From Optimal Filtering to Singular Observers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 437-442.	0.4	1
175	\hat{H}_∞ and \hat{H}_2 guaranteed costs computation for uncertain linear systems. International Journal of Systems Science, 1997, 28, 183-188.	3.7	65
176	Optimal filtering schemes for linear discrete-time systems-an LMI approach. , 0, , .		14
177	Deteco De Falhas Em Tanques Interativos Utilizando Uma Abordagem Neural/Fuzzy/Bayesiana Para Deteco De Ponto De Mudana. , 0, , .		0
178	Uma abordagem baseada em granulao fuzzy e mquinas de vetores suporte para prognstico de falhas. , 0, , .		0
179	ESTABILIZAO DE MODELOS FUZZY TAKAGI-SUGENO A TEMPO DISCRETO: REDUZINDO O CONSERVADORISMO NO CONTROLE NO-PDC. , 0, , .		0
180	Synthesis and characterization of Pareto-optimal solutions for the mixed \hat{H}_2/\hat{H}_∞ control problem. , 0, , .		0