Reinaldo Martinez Palhares

List of Publications by Year
in descending order

180	4,568	117571	123376
papers	citations	34 h-index	61 g-index

181	181	181	2634
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A systematic approach to improve multiple Lyapunov function stability and stabilization conditions for fuzzy systems. Information Sciences, 2009, 179, 1149-1162.	4.0	265
2	Reducing conservativeness in recent stability conditions of TS fuzzy systems. Automatica, 2009, 45, 1580-1583.	3.0	239
3	Robust Hâˆž filter design for uncertain linear systems with multiple time-varying state delays. IEEE Transactions on Signal Processing, 2001, 49, 569-576.	3.2	214
4	Fuzzy Control Systems: Past, Present and Future. IEEE Computational Intelligence Magazine, 2019, 14, 56-68.	3.4	214
5	A flexible consensus scheme for multicriteria group decision making under linguistic assessments. Information Sciences, 2010, 180, 1075-1089.	4.0	197
6	Robust â„‹/sub âˆž/ filtering for uncertain discrete-time state-delayed systems. IEEE Transactions on Signal Processing, 2001, 49, 1696-1703.	3.2	177
7	Robust filtering with guaranteed energy-to-peak performance â€" an LMI approach. Automatica, 2000, 36, 851-858.	3.0	172
8	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
9	LMI approach to the mixed H/sub 2//H/sub âˆž/ filtering design for discrete-time uncertain systems. IEEE Transactions on Aerospace and Electronic Systems, 2001, 37, 292-296.	2.6	85
10	Evolving Granular Fuzzy Model-Based Control of Nonlinear Dynamic Systems. IEEE Transactions on Fuzzy Systems, 2015, 23, 923-938.	6.5	82
11	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
12	Robust â„‹âˆž-Filtering Design with Pole Placement Constraint via Linear Matrix Inequalities. Journal of Optimization Theory and Applications, 1999, 102, 239-261.	0.8	77
13	Design of an Artificial Immune System for fault detection: A Negative Selection Approach. Expert Systems With Applications, 2010, 37, 5507-5513.	4.4	73
14	Interval time-varying delay stability for neural networks. Neurocomputing, 2010, 73, 2789-2792.	3.5	72
15	â„‹<sub>âˆž</sub and â„‹<sub>2</sub guaranteed costs computation for uncertain linear systems. International Journal of Systems Science, 1997, 28, 183-188.	3.7	65
16	On delay-dependent stability conditions for Takagiâ€"Sugeno fuzzy systems. Journal of the Franklin Institute, 2014, 351, 3707-3718.	1.9	62
17	On Stability and Stabilization of Tâ€"S Fuzzy Time-Delayed Systems. IEEE Transactions on Fuzzy Systems, 2009, 17, 1450-1455.	6.5	61
18	A novel approach for robust PID synthesis for uncertain systems. Journal of Process Control, 2008, 18, 19-26.	1.7	60

#	Article	IF	Citations
19	Data-driven fault detection and isolation scheme for a wind turbine benchmark. Renewable Energy, 2016, 87, 634-645.	4.3	58
20	A new discretized Lyapunovâ€“Krasovskii functional for stability analysis and control design of timeâ€delayed TS fuzzy systems. International Journal of Robust and Nonlinear Control, 2011, 21, 93-105.	2.1	54
21	H/sub 2//H/sub /spl infin// filter design for systems with polytope-bounded uncertainty. IEEE Transactions on Signal Processing, 2006, 54, 3620-3626.	3.2	52
22	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
23	Delay-dependent robust Hâˆž control of uncertain linear systems with lumped delays. IET Control Theory and Applications, 2005, 152, 27-33.	1.7	46
24	Multicriteria analysis in decision making under information uncertainty. Applied Mathematics and Computation, 2008, 200, 501-516.	1.4	46
25	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
26	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
27	Fault detection in dynamic systems by a Fuzzy/Bayesian network formulation. Applied Soft Computing Journal, 2014, 21, 647-653.	4.1	43
28	A novel Artificial Immune System for fault behavior detection. Expert Systems With Applications, 2011, 38, 6957-6966.	4.4	42
29	Design of an artificial immune system based on Danger Model for fault detection. Expert Systems With Applications, 2010, 37, 5145-5152.	4.4	41
30	Stability independent of delay using rational functions. Automatica, 2009, 45, 2128-2133.	3.0	40
31	Equivalent techniques, extra comparisons and less conservative control design for Takagiâ€“Sugeno (TS) fuzzy systems. IET Control Theory and Applications, 2010, 4, 2813-2822.	1.2	39
32	A new fault classification approach applied to Tennessee Eastman benchmark process. Applied Soft Computing Journal, 2016, 49, 676-686.	4.1	38
33	Robust filter design with pole constraints for discrete-time systems. Journal of the Franklin Institute, 2000, 337, 713-723.	1.9	36
34	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
35	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
36	Efficient LMI Conditions for Enhanced Stabilization of Discrete-Time Takagiâ€“Sugeno Models via Delayed Nonquadratic Lyapunov Functions. IEEE Transactions on Fuzzy Systems, 2019, 27, 1833-1843.	6.5	34

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37	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
38	LMI-based control synthesis of constrained Takagiâ€“Sugeno fuzzy systems subject to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0013.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="script">L</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>or<mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0014.gif" overflow="scroll"><mml:mrow><mml:mi	3.5	33
39	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
40	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
41	Delay-dependent robust Hâˆž control of uncertain linear systems with time-varying delays. Computers and Mathematics With Applications, 2005, 50, 13-32.	1.4	30
42	ROBUST $mathcal{H}_{infty}$ 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
43	TS fuzzy reconfiguration blocks for fault tolerant control of nonlinear systems. Journal of the Franklin Institute, 2020, 357, 4592-4623.	1.9	30
44	Fuzzy set based models and methods of multicriteria group decision making. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e409-e419.	0.6	29
45	New improved delay-dependent â„‹âˆž filter design for uncertain neutral systems. IET Control Theory and Applications, 2008, 2, 1033-1043.	1.2	28
46	Revisiting the <scp>TP</scp> Model Transformation: Interpolation and Rule Reduction. Asian Journal of Control, 2015, 17, 392-401.	1.9	28
47	On multicriteria decision making under conditions of uncertainty. Information Sciences, 2015, 324, 44-59.	4.0	28
48	Improved optimisation approach to the robust H2/Hâˆž control problem for linear systems. IET Control Theory and Applications, 2005, 152, 171-176.	1.7	26
49	Asymptotic stability analysis in uncertain multi-delayed state neural networks via Lyapunovâ€“Krasovskii theory. Mathematical and Computer Modelling, 2007, 45, 1350-1362.	2.0	26
50	Stability and stabilization for LPV systems based on Lyapunov functions with non-monotonicÂterms. Journal of the Franklin Institute, 2020, 357, 6595-6614.	1.9	26
51	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
52	A Combined Method for Segmentation and Registration for an Advanced and Progressive Evaluation of Thermal Images. Sensors, 2014, 14, 21950-21967.	2.1	25
53	Improved Takagi-Sugeno fuzzy output tracking control for nonlinear networked control systems. Journal of the Franklin Institute, 2017, 354, 7280-7305.	1.9	25
54	Robust Guidance Strategy for Target Circulation by Controlled UAV. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 1415-1431.	2.6	25

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55	Static output-feedback control for Cyber-physical LPV systems under DoS attacks. Information Sciences, 2021, 563, 241-255.	4.0	24
56	Estimation of Pareto sets in the mixed control problem. International Journal of Systems Science, 2004, 35, 55-67.	3.7	23
57	Distributed Control of Networked Nonlinear Systems via Interconnected Takagiâ€“Sugeno Fuzzy Systems With Nonlinear Consequent. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4858-4867.	5.9	23
58	Design of mixed H2/Hâˆž control systems using algorithms inspired by the immune system. Information Sciences, 2007, 177, 4368-4386.	4.0	22
59	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
60	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
61	Fuzzy preference modeling and its application to multiobjective decision making. Computers and Mathematics With Applications, 2006, 52, 179-196.	1.4	20
62	Fuzzy set based multiobjective allocation of resources and its applications. Computers and Mathematics With Applications, 2006, 52, 197-210.	1.4	20
63	â„‹2 and â„‹âˆžÎ¼-guaranteed cost computation of uncertain linear systems. IET Control Theory and Applications, 2007, 1, 201-209.	1.2	20
64	Improved robustâ„‹âˆžcontrol for neutral systems via discretised Lyapunov-Krasovskii functional. International Journal of Control, 2008, 81, 1462-1474.	1.2	20
65	Decision tree and artificial immune systems for stroke prediction in imbalanced data. Expert Systems With Applications, 2022, 191, 116221.	4.4	20
66	Fuzzy/Bayesian change point detection approach to incipient fault detection. IET Control Theory and Applications, 2011, 5, 539-551.	1.2	19
67	Formal Non-Fragile Stability Verification of Digital Control Systems with Uncertainty. IEEE Transactions on Computers, 2017, 66, 545-552.	2.4	19
68	Data-driven prognostics of rolling element bearings using a novel Error Based Evolving Takagiâ€“Sugeno Fuzzy Model. Applied Soft Computing Journal, 2020, 96, 106628.	4.1	19
69	Longitudinal Model Identification and Velocity Control of an Autonomous Car. IEEE Transactions on Intelligent Transportation Systems, 2014, , 1-11.	4.7	18
70	Chaotic Synchronization and Information Transmission Experiments: A Fuzzy Relaxed Hâˆž Control Approach. Circuits, Systems, and Signal Processing, 2007, 26, 427-449.	1.2	17
71	Passivation blocks for fault tolerant control of nonlinear systems. Automatica, 2021, 125, 109450.	3.0	17
72	Robust filtering with guaranteed energy-to-peak performance â€” an LMI approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 1814-1819.	0.4	16

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73	Algorithm 860. ACM Transactions on Mathematical Software, 2006, 32, 609-621.	1.6	15
74	Robust model reduction of uncertain systems maintaining uncertainty structure. International Journal of Control, 2009, 82, 2158-2168.	1.2	15
75	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
76	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
77	Constrained robust model predicted control of discreteâ€time Markov jump linear systems. IET Control Theory and Applications, 2019, 13, 517-525.	1.2	15
78	Optimal filtering schemes for linear discrete-time systems-an LMI approach. , 0, , .		14
79	Robust H âˆž 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
80	Fuzzy preference relations in models of decision making. Nonlinear Analysis: Theory, Methods & Applications, 2005, 63, e735-e741.	0.6	14
81	Synchronisation of chaotic delayed artificial neural networks: an â„‹_{âˆž}control approach. International Journal of Systems Science, 2009, 40, 937-944.	3.7	14
82	Improved asymptotic stability analysis for uncertain delayed state neural networks. Chaos, Solitons and Fractals, 2009, 39, 240-247.	2.5	14
83	New delay-interval stability condition. International Journal of Systems Science, 2014, 45, 300-306.	3.7	14
84	Artificial Intelligence in Industrial Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 9636-9640.	5.2	14
85	New strategy for robust stability analysis of discrete-time uncertain systems. Systems and Control Letters, 2007, 56, 516-524.	1.3	13
86	Uncertain Data Modeling Based on Evolving Ellipsoidal Fuzzy Information Granules. IEEE Transactions on Fuzzy Systems, 2020, 28, 2427-2436.	6.5	13
87	Robust sampledâ€data controller design for uncertain nonlinearÂsystems via Euler discretization. International Journal of Robust and Nonlinear Control, 2020, 30, 8244-8258.	2.1	13
88	Improved robust gain-scheduling static output-feedback control for discrete-time LPV systems. European Journal of Control, 2021, 58, 11-16.	1.6	13
89	Dynamic periodic event-triggered gain-scheduling control co-design for quasi-LPV systems. Nonlinear Analysis: Hybrid Systems, 2021, 41, 101044.	2.1	13
90	Robust â„‹₂/â„‹_{âˆž}/reference model dynamic output-feedback control synthesis. International Journal of Control, 2011, 84, 2067-2080.	1.2	12

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91	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
92	Sim3Tanks: A Benchmark Model Simulator for Process Control and Monitoring. IEEE Access, 2018, 6, 62234-62254.	2.6	12
93	Dynamic event-triggered gain-scheduling control of discrete-time quasi-LPV systems. Automatica, 2022, 141, 110292.	3.0	12
94	H₂/H_{âˆž} Robust PID Synthesis for Uncertain Systems. , 2006, , .		11
95	Less Conservative Fuzzy Control for Discrete-Time Takagi-Sugeno Systems. Mathematical Problems in Engineering, 2011, 2011, 1-21.	0.6	11
96	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
97	A novel fault prognostic approach based on particle filters and differential evolution. Applied Intelligence, 2018, 48, 834-853.	3.3	11
98	On discreteâ€time LPV control using delayed Lyapunov functions. Asian Journal of Control, 2020, 23, 2359.	1.9	11
99	Delayed nonquadratic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si20.svg"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="script">L</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:m of continuous-time nonlinear Takagiâ€“Sugeno fuzzy models. Information Sciences, 2021, 563, 59-69.	4.0	11
100	Discrete-time singular observers: H2/Hinfinity optimality and unknown inputs. International Journal of Control, 1999, 72, 481-492.	1.2	10
101	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
102	Gainâ€scheduled control for discreteâ€time nonâ€linear parameterâ€varying systems with timeâ€varying delays. IET Control Theory and Applications, 2020, 14, 3217-3229.	1.2	10
103	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
104	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
105	Novel stability criteria for uncertain delayed Cohenâ€“Grossberg neural networks using discretized Lyapunov functional. Chaos, Solitons and Fractals, 2009, 41, 2387-2393.	2.5	8
106	Multicriteria analysis based on constructing payoff matrices and applying methods of decision making inÂfuzzy environment. Optimization and Engineering, 2011, 12, 5-29.	1.3	8
107	Improved synthesis method for network-based control. International Journal of Systems Science, 2011, 42, 1821-1830.	3.7	8
108	LMI designmethod for networked-based PID control. International Journal of Control, 2016, 89, 1962-1971.	1.2	8

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109	PID Tuning for Time-Varying Delay Systems Based on Modified Smith Predictor 1 1This work has been supported by the Brazilian agencies CAPES, CNPq, and FAPEMIG.. IFAC-PapersOnLine, 2017, 50, 1269-1274.	0.5	8
110	Learning eventâ€triggered control based on evolving dataâ€driven fuzzy granular models. International Journal of Robust and Nonlinear Control, 2022, 32, 2805-2827.	2.1	8
111	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
112	Assessing stability of time-delay systems using rational systems. , 2008, , .		7
113	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
114	Discussion on: H Output Feedback Control Design for Uncertain Fuzzy Systems with Multiple Time Scales: An LMI Approach. European Journal of Control, 2005, 11, 167-170.	1.6	7
115	Mixed filtering for uncertain linear systems: A linear matrix inequality approach. International Journal of Systems Science, 2000, 31, 1091-1098.	3.7	6
116	Parameter estimation on linear time-varying systems. Journal of the Franklin Institute, 2011, 348, 777-789.	1.9	6
117	A Transitional View of Immune Inspired Techniques for Anomaly Detection. Lecture Notes in Computer Science, 2012, , 568-577.	1.0	6
118	Advanced model based air path management using a discrete-angular controller in idle-speed context. IFAC-PapersOnLine, 2016, 49, 611-618.	0.5	6
119	A comparison of different upper-bound inequalities for the membership functions derivative. IFAC-PapersOnLine, 2017, 50, 3001-3006.	0.5	6
120	A new air-fuel ratio model fixing the transport delay: Validation and control. , 2017, , .		6
121	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
122	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
123	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
124	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
125	Avoiding Matrix Inversion in Takagiâ€“Sugeno-Based Advanced Controllers and Observers. IEEE Transactions on Fuzzy Systems, 2018, 26, 216-225.	6.5	5
126	Adaptive gain-scheduling control for continuous-time systems with polytopic uncertainties: An LMI-based approach. Automatica, 2021, 133, 109856.	3.0	5

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127	Robust fault hiding approach for Tâ€“S fuzzy systems with unmeasured premise variables. Information Sciences, 2022, 589, 690-715.	4.0	5
128	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
129	Novel delay-dependent Kalman/Luenberger-type filter design for neutral systems. International Journal of Control, 2009, 82, 2327-2334.	1.2	4
130	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
131	Plug-and-Play Distributed Control of Large-Scale Nonlinear Systems. IEEE Transactions on Cybernetics, 2023, 53, 2062-2073.	6.2	4
132	New gain-scheduling control conditions for time-varying delayed LPV systems. Journal of the Franklin Institute, 2021, 359, 719-719.	1.9	4
133	A fuzzy/Bayesian approach for the time series change point detection problem. Pesquisa Operacional, 2011, 31, 217-234.	0.1	3
134	Robust decoupling control synthesis. , 2014, , .		3
135	Counterpart of Advanced TS discrete controller without matrix inversion. IFAC-PapersOnLine, 2016, 49, 182-187.	0.5	3
136	Finite-horizon suboptimal control of Markov jump linear parameter-varying systems. International Journal of Control, 2021, 94, 2659-2668.	1.2	3
137	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
138	A New Scheme for Fault Detection and Classification Applied to DC Motor. TeMa, 2018, 19, 327.	0.1	3
139	Gainâ€scheduled control design for discreteâ€time nonlinear systems using differenceâ€algebraic representations. International Journal of Robust and Nonlinear Control, 2021, 31, 1542-1563.	2.1	3
140	A novel polynomial membership functions based control method for Tâ€“S fuzzy systems. ISA Transactions, 2022, 129, 192-203.	3.1	3
141	Guaranteed region of attraction estimation for time-delayed fuzzy systems via static output-feedback control. Automatica, 2022, 143, 110438.	3.0	3
142	Robust H<inf>âˆž</inf> control for uncertain state-delayed linear systems with Markovian jumping parameters. , 2001, , .		2
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	Multiobjective robust dynamic output-feeback control synthesis based on reference model. , 2010, , .		2

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145	Multiobjective robust discrete dynamic output-feeback control synthesis based on closed-loop reference model. , 2011, , .		2
146	Using information on membership function shapes in asymptotically exact triangulation approaches. , 2012, , .		2
147	Parameter estimation of dynamic fuzzy models from uncertain data streams. , 2014, , .		2
148	Observer design to control individual cylinder spark advance for idle speed management of a SI engine. , 2015, , .		2
149	Replica of an Advanced Takagi-Sugeno discrete observer without matrix inversion. , 2016, , .		2
150	Periodic Takagi-Sugeno Observers for Individual Cylinder Spark Imbalance in Idle Speed Control Context. , 2015, , .		2
151	Static outputâ€feedback stabilization of discreteâ€time linear parameterâ€varying systems under actuator saturation. International Journal of Robust and Nonlinear Control, 2022, 32, 5799-5809.	2.1	2
152	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
153	Discussion on: â€œHâˆž Output Feedback Control Design for Uncertain Fuzzy Systems with Multiple Time Scales: An LMI Approachâ€• European Journal of Control, 2005, 11, 167-169.	1.6	1
154	CondiÃ§oes LMIs alternativas para sistemas Takagi-Sugeno via funÃ§Ã£o de Lyapunov Fuzzy. Controle and Automacao, 2010, 21, 96-107.	0.2	1
155	Incipient fault detection in induction machine stator-winding using a fuzzy-Bayesian two change points detection approach. , 2010, , .		1
156	Robust decoupling PI controllers for multi-loop control. , 2012, , .		1
157	Control Synthesis for Fuzzy Systems with Local Nonlinear Models Subject to Actuator Saturation. , 2019, , .		1
158	Set-Invariance Based Fuzzy Output Tracking Control for Vehicle Autonomous Driving under Uncertain Lateral Forces and Steering Constraints. , 2020, , .		1
159	Fuzzy Coefficients and Fuzzy Preference Relations in Models of Decision Making. Lecture Notes in Computer Science, 2003, , 229-236.	1.0	1
160	Output Tracking Control for Networked Control Systems. , 2016, , .		1
161	Local Sampled-Data Gain-Scheduling Control of quasi-LPV Systems. IFAC-PapersOnLine, 2021, 54, 86-91.	0.5	1
162	Dissipativity and Stability Recovery by Fault Hiding. IFAC-PapersOnLine, 2020, 53, 4121-4126.	0.5	1

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163	Fuzzy Preference Relations and Multiobjective Decision Making. , 2005, , 83-92.		1
164	Fuzzy Logic Based Control of Voltage and Reactive Power in Subtransmission System. Lecture Notes in Computer Science, 2005, , 332-337.	1.0	0
165	AnÃ¡lise de estabilidade assintÃ³tica e exponencial em redes neurais artificiais sujeitas a retardo no tempo e a incertezas do tipo politÃ³picas. Controle and Automacao, 2008, 19, 115-127.	0.2	0
166	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
167	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
168	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
169	LMI-based adaptive control for uncertain polytopic systems. , 2016, , .		0
170	Estimation-based control law for appproximating Takagi-Sugeno-based controller. , 2016, , .		0
171	Implementing advanced Takagi-Sugeno controllers: application to throttle control of a gasoline engine. IFAC-PapersOnLine, 2018, 51, 145-150.	0.5	0
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173	Air-fuel ratio fuzzy controller handling delay: Comparison with a PI/Smith. , 2018, , .		0
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