

Tognetti, E S

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Robust State Feedback-Based Design of PID Controllers for High-Order Systems with Time-Delay and Parametric Uncertainties. Journal of Control, Automation and Electrical Systems, 2022, 33, 382-392.	2.0	4
2	Model-free adaptive filter to mitigate actuator wear. ISA Transactions, 2022, 129, 493-504.	5.7	4
3	LMI-based consensus of linear multi-agent systems by reduced-order dynamic output feedback. ISA Transactions, 2022, 129, 121-129.	5.7	5
4	Dynamic Output Feedback Controller Design for Uncertain Takagi-Sugeno Fuzzy Systems: A Premise Variable Selection Approach. IEEE Transactions on Fuzzy Systems, 2021, 29, 1590-1600.	9.8	9
5	Output feedback control for quadratic systems: A Lyapunov function approach. International Journal of Robust and Nonlinear Control, 2021, 31, 8373-8389.	3.7	3
6	Synchronization via output feedback for multi-agent singularly perturbed systems with guaranteed cost. Automatica, 2021, 128, 109549.	5.0	14
7	LMI-based output feedback control of singularly perturbed systems with guaranteed cost. , 2020, , .		2
8	Local state-feedback stabilization of continuous-time Takagi-Sugeno fuzzy systems. IFAC-PapersOnLine, 2020, 53, 7995-8000.	0.9	2
9	Linear Matrix Inequalities for Digital Redesign Under Delay Suitable for PI Controllers with Application to PMSMs. Journal of Control, Automation and Electrical Systems, 2019, 30, 479-489.	2.0	5
10	Local stability analysis and estimation of domains of attraction for nonlinear systems via Takagi-Sugeno fuzzy modeling. , 2019, , .		2
11	Output feedback control for bilinear systems: a polytopic approach. IFAC-PapersOnLine, 2019, 52, 58-63.	0.9	3
12	Digital redesign of analogue dynamic output-feedback controllers for polytopic systems. International Journal of Control, 2019, 92, 1764-1777.	1.9	0
13	Robust Stability Analysis of Grid-Connected Converters Based on Parameter-Dependent Lyapunov Functions. Journal of Control, Automation and Electrical Systems, 2017, 28, 159-170.	2.0	4
14	H ₂ and H _∞ 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.	0.9	1
15	Digital control and sampling period assignment of multiple plants in networked control systems. IET Control Theory and Applications, 2017, 11, 3089-3096.	2.1	2
16	An LMI approach for robust stabilization of aperiodic uncertain sampled-data systems. , 2017, , .		1
17	Design of a robust PI controller for a dual active bridge converter. , 2016, , .		12
18	Linear quadratic networked control of uncertain polytopic systems. International Journal of Robust and Nonlinear Control, 2016, 26, 2299-2313.	3.7	4

#	ARTICLE	IF	CITATIONS
19	A new approach to handle additive and multiplicative uncertainties in the measurement for LPV filtering. International Journal of Systems Science, 2016, 47, 1042-1053.	5.5	46
20	Discretization and event triggered digital output feedback control of LPV systems. Systems and Control Letters, 2015, 86, 54-65.	2.3	30
21	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.	5.5	11
22	Control design in a distributed WNCS using energy optimal scheduled medium access. , 2014, , .		2
23	Discretization and discrete-time output feedback control of linear parameter varying continuous-time systems. , 2014, , .		3
24	ℋ<inf>2<inf> guaranteed cost computation of discretized uncertain continuous-time systems. , 2014, , .		1
25	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.	2.0	7
26	ℋ<inf>2<inf> dynamic output feedback for LPV systems subject to inexactly measured scheduling parameters. , 2013, , .		16
27	A new procedure for discretization and state feedback control of uncertain linear systems. , 2013, , .		19
28	H<inf>2<inf> LPV filtering for discrete-time linear systems subject to additive and multiplicative uncertainties in the measurement. , 2013, , .		4
29	Reduced-order dynamic output feedback control of continuous-time Takagi-Sugeno fuzzy systems. Fuzzy Sets and Systems, 2012, 207, 27-44.	2.7	31
30	An LMI-Based Approach to Static Output Feedback Stabilization of Takagi-Sugeno Fuzzy Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 12593-12598.	0.4	4
31	Selective H_{∞} and H_2 Stabilization of Takagi-Sugeno Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2011, 19, 890-900.	9.8	67
32	Improved stabilization conditions for Takagi-Sugeno fuzzy systems via fuzzy integral Lyapunov functions. , 2011, , .		11
33	Fuzzy pole placement based on piecewise Lyapunov functions. International Journal of Robust and Nonlinear Control, 2010, 20, 571-578.	3.7	17
34	Selective stabilization of Takagi-Sugeno fuzzy systems. , 2010, , .		4
35	LMI relaxations for nonquadratic stabilization of discrete-time Takagi-Sugeno systems based on polynomial fuzzy Lyapunov functions. , 2009, , .		3
36	Robust Controllers Enhanced With Design and Implementation Processes. IEEE Transactions on Education, 2006, 49, 370-382.	2.4	25

#	ARTICLE	IF	CITATIONS
37	Discretisation and control of polytopic systems with uncertain sampling rates and network-induced delays. International Journal of Control, 0, , 1-14.	1.9	5
38	Controle de sistemas bilineares por realimenta~o din~mica de sa~da. , 0, , .		1