Matheus Souza

List of Publications by Year
in descending order

39	363	1163065	839512
papers	citations	8	18
		h-index	g-index

39	39	39	286
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	â„‹₂ state-feedback control for continuous semi-Markov jump linear systems with rational transition rates. International Journal of Control, 2023, 96, 1-11.	1.9	3
2	H₂ Output-Feedback Cluster Control for Continuous Semi-Markov Jump Linear Systems With Erlang Dwell Times. , 2023, 7, 109-114.		4
3	Predictability and Fairness in Social Sensing. IEEE Internet of Things Journal, 2022, 9, 37-54.	8.7	2
4	â„‹₂ and â„‹_{â^ž} analysis and state feedback control design for discrete-time constrained switched linear systems. International Journal of Control, 2021, 94, 2834-2845.	1.9	2
5	Impulsive Markov jump linear systems: Stability analysis and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e348" altimg="si1.svg"><mml:msub><mml:mrow><mml:mi mathvariant="double-struck">H</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math> control. Nonlinear Analysis: Hybrid Systems, 2021, 42, 101089.	3.5	6
6	Optimal H₂ output-feedback control of sampled-data systems. International Journal of Control, 2020, 93, 2228-2238.	1.9	1
7	On the ergodic control of ensembles. Automatica, 2019, 108, 108483.	5.0	9
8	Sampled-Data Control of Interval Systems with Guaranteed Hâ^ž Performance. , 2019, , .		0
9	On analysis and design of discrete-time constrained switched systems. International Journal of Control, 2018, 91, 437-452.	1.9	10
10	On the Design of an Intelligent Speed Advisory System for Cyclists. , 2018, , .		8
11	Regulating the Searching Behaviour of Parked Vehicles Attempting to Locate Moving, Missing Entities. , 2018, , .		1
12	A Note on Recursive Schur Complements, Block Hurwitz Stability of Metzler Matrices, and Related Results. IEEE Transactions on Automatic Control, 2017, 62, 4167-4172.	5.7	9
13	Switching Controller Design With Dwell-Times and Sampling. IEEE Transactions on Automatic Control, 2017, 62, 5837-5843.	5.7	40
14	On classical control and smart cities. , 2017, , .		9
15	Stability Analysis and Output-Feedback Control Design for Time-Delay Systems * *This work was supported by grants from Smart2 Erasmus Mundus, Conselho Nacional de Desenvolvimento CientÃfico e TecnolÃ³gico (CNPq/Brazil) grant 303850/2014-0 and FundaÃ§Ã£o de Amparo Ã Pesquisa do Estado de SÃ£o Paulo (FAPESP) grant 2014/17074-0.. IFAC-PapersOnLine, 2017, 50, 1292-1297.	0.9	4
16	Quality Assessment of Lyapunov-Metzler Methods for Discrete-Time Switched Control * *This work was supported by Conselho Nacional de Desenvolvi-mento CientÃfico e TecnolÃ³gico (CNPq/Brazil) grants 303850/2014-0 and 306259/2015-0 and FundaÃ§Ã£o de Amparo Ã Pesquisa do Estado de SÃ£o Paulo (FAPESP) grant 2014/17074-0.. IFAC-PapersOnLine, 2017, 50, 2070-2075.	0.9	0
17	H 2 and H a 2 analysis for discrete-time constrained switched linear systems * *This work was supported by Conselho Nacional de Desenvolvi-mento CientÃfico e TecnolÃ³gico (CNPq/Brazil) grant 303850/2014-0, FundaÃ§Ã£o de Amparo Ã Pesquisa do Estado de SÃ£o Paulo (FAPESP) grants 2014/17074-0 and 2016/19504-7, and CoordenaÃ§Ã£o de Aper-feiÃ§oamento de Pessoal de NÃvel Superior(CAPES/Brazil).. IFAC-PapersOnLine, 2017, 50, 2376-2381.	0.9	0
18	Frequency-Domain Methods for Sparse Linear Systems Discretisation * *This work was supported by grants from Conselho Nacional de Desenvolvimento CientÃfico e TecnolÃ³gico (CNPq/Brazil) grant 303850/2014-0, FundaÃ§Ã£o de Amparo Ã Pesquisa do Estado de SÃ£o Paulo (FAPESP) grants 2014/17074-0 and 2016/19504-7 and Science Foundation Ireland Grant grant 11/PI/1177.. IFAC-PapersOnLine, 2017, 50, 3612-3616.	0.9	0

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19	â„‹₂dynamic output feedback for local sensor â€“ remote actuator networks. IMA Journal of Mathematical Control and Information, 2016, 33, 239-256.	1.7	6
20	Hâˆž Analysis of Linear Systems with Jumps: Applications to Sampled-Data Control**This work was in part supported by Science Foundation Ireland (SFI) grant 11/PI/1177; FundaÃ§Ã£o de Amparo Ã Pesquisa do Estado de SÃ£o Paulo (FAPESP/Brazil) grant 2014/17074-0; Conselho Na-cional de Desenvolvimento CientÃfico e TecnolÃ³gico (CNPq/Brazil) grant 303850/2014-0.M. Souza was with the School of Electrical and Electronic Engineering, University College Dublin, Republic of Ireland, when parts of this work were developed.. IFAC-PapersOnLine, 2016, 49, 138-143.	0.9	1
21	Optimal H2 Output-Feedback Control of Sampled Systems. IFAC-PapersOnLine, 2016, 49, 126-131.	0.9	2
22	Stability analysis and state-feedback control design for time-delay systems. , 2016, , .		3
23	Constrained switched systems: Stability and performance. , 2015, , .		1
24	On an LMI approach to optimal sampled-data state feedback control design. International Journal of Control, 2015, 88, 2369-2379.	1.9	30
25	On a convex characterisation of stability and performance for hybrid linear systems. , 2015, , .		4
26	Discrete-Time Switched Linear Systems State Feedback Design With Application to Networked Control. IEEE Transactions on Automatic Control, 2015, 60, 877-881.	5.7	81
27	Discretisation of sparse linear systems: An optimisation approach. Systems and Control Letters, 2015, 80, 42-49.	2.3	6
28	On the discretisation of sparse linear systems. , 2014, , .		1
29	Chattering free control of continuousâ€time switched linear systems. IET Control Theory and Applications, 2014, 8, 348-354.	2.1	23
30	Dwell-time control of continuous-time switched linear systems. , 2014, , .		8
31	${cal H}_2$ Sampledâ€”Data Filtering of Linear Systems. IEEE Transactions on Signal Processing, 2014, 62, 4839-4846.	5.3	21
32	Selfâ€triggered linear quadratic networked control. Optimal Control Applications and Methods, 2014, 35, 524-538.	2.1	42
33	ℋ<inf>2</inf> state feedback sampled-data control for Markov Jump Linear Systems. , 2014, , .		2
34	Characterising discrete-time linear systems with the â€œmixedâ€•positive real and bounded real property. European Journal of Control, 2014, 20, 259-268.	2.6	4
35	Optimal Sampledâ€“Data State Feedback Control of Linear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5556-5561.	0.4	7
36	State feedback switched control of discrete-time switched linear systems with application to networked control. , 2013, , .		6

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37	H<inf>2</inf> filtering design for sampled-data systems. , 2013, , .		1
38	ℌ2 self-triggered dynamic output feedback for networked control. , 2013, , .		2
39	Self-triggered linear quadratic Networked Control. , 2012, , .		4