Karina Acosta Barbosa

List of Publications by Year
in descending order

40 papers	698 citations	840776 11 h-index	839539 18 g-index
40 all docs	40 docs citations	40 times ranked	469 citing authors

#	Article	IF	Citations
1	Mode-Independent ${\cal H}_{\infty}$ Filters for Markovian Jump Linear Systems. IEEE Transactions on Automatic Control, 2006, 51, 1837-1841.	5.7	279
2	Robust /spl Hscr//sub /spl infin// filtering for discrete-time linear systems with uncertain time-varying parameters. IEEE Transactions on Signal Processing, 2006, 54, 2110-2118.	5.3	100
3	Robust filtering for uncertain linear systems: LMI based methods with parametric Lyapunov functions. Systems and Control Letters, 2005, 54, 251-262.	2.3	90
4	Robust filtering for uncertain linear discrete-time descriptor systems. Automatica, 2008, 44, 792-798.	5.0	44
5	New improved delay-dependent â„‹â‚‚ filter design for uncertain neutral systems. IET Control Theory and Applications, 2008, 2, 1033-1043.	2.1	28
6	Robust Filtering for Linear Systems With Convex-Bounded Uncertain Time-Varying Parameters. IEEE Transactions on Automatic Control, 2007, 52, 1132-1138.	5.7	27
7	Admissibility analysis of discrete linear time-varying descriptor systems. Automatica, 2018, 91, 136-143.	5.0	20
8	Robust <mml:math altimg="si10.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	5.0	16
9	Robust â„‚â‚‚ filter design for singular systems with time-varying uncertainties. IET Control Theory and Applications, 2011, 5, 1085-1091.	2.1	14
10	ROBUST â„‚2 FILTER DESIGN VIA PARAMETER-DEPENDENT LYAPUNOV FUNCTIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 371-376.	0.4	13
11	Robust Linear H_{∞} Filter Design for a Class of Uncertain Nonlinear Systems: An LMI Approach. SIAM Journal on Control and Optimization, 2009, 48, 1452-1472.	2.1	11
12	Improved H2 and H<FONT FACE=Symbol>Â¥</FONT> conditions for robust analysis and control synthesis of linear systems. Controle and Automacao, 2005, 16, 427-434.	0.2	7
13	Robust stability of discrete-time linear descriptor systems with time-varying uncertainties via parametric Lyapunov function. , 2012, , .		7
14	Robust Hâ‚‚ state-feedback design for discrete-time descriptor systems. IFAC-PapersOnLine, 2018, 51, 78-83.	0.9	5
15	Input-Output Admissibility Analysis of Continuous Descriptor System With Time-Varying Delay. , 2021, 5, 1561-1566.		5
16	A New Strategy to the Multi-Objective Control of Linear Systems. , 0, , .		4
17	H<sub>&#x0221E;</sub> Filtering for a Class of Uncertain Markov Jump Nonlinear Systems. , 2006, , .		4
18	Robust H_{∞} filtering for linear descriptor systems with convex bounded uncertainty. , 2007, , .		4

#	Article	IF	Citations
19	Mixed controller design for an UAV flight control system. , 2015, , .		4
20	D-stability Analysis of Descriptor Systems and Application in Power Systems. IEEE Latin America Transactions, 2015, 13, 1888-1892.	1.6	4
21	Bounded real lemma for discrete linear time-varying descriptor systems. , 2017, , .		2
22	A Dynamic Stochastic Hybrid Model to Represent Significant Wave Height and Wave Period for Marine Energy Representation. Energies, 2019, 12, 887.	3.1	2
23	Takagiâ€"Sugeno State Delayed Feedback and Integral Control for PV Systems: Modeling, Simulation, and Control. International Journal of Photoenergy, 2021, 2021, 1-14.	2.5	2
24	Observerâ€based control of Takagiâ€"Sugeno descriptor system with timeâ€varying delay: Freeâ€weighting matrix. Optimal Control Applications and Methods, 2022, 43, 1379-1400.	2.1	2
25	Robust guaranteed cost filtering for a class of nonlinear systems. , 2003, , .		1
26	Robust admissibility and H<inf>&#x221E;</inf> performance of time-varying descriptor systems. , 2013, , .		1
27	State feedback regulation on port-Hamiltonian systems: a convex based approach. , 2018, , .		1
28	Robust Filtering for Discrete-Time Linear Parameter-Varying Descriptor Systems. Symmetry, 2020, 12, 1871.	2.2	1
29	Robust ℋ<inf>∞</inf> filtering for descriptor system with deterministic and stochastic uncertainties. , 2011, , .		0
30	Controller design of industrial cooperative robots. , 2015, , .		0
31	D-stability control design for algebraic differential systems with application in power systems. , 2016, , .		0
32	Parametric uncertainty analysis of inverse linear electric circuit problems. , 2017, , .		0
33	Non-linear control design to direct rotary dryer. , 2017, , .		0
34	Statistical parametric techniques for power residential demand forecasting. , 2017, , .		0
35	Guaranteed cost control of quadratic time-delay systems. , 2017, , .		0
36	Robust Voltage Regulation of a Stand Alone Uncertain Single-Stage Boost Inverter. , 2018, , .		0

#	Article	IF	Citations
37	Control Algorithm for a Dynamic Pricing Management of Electrical Energy. , 2019, , .		0
38	A Simple Distribution Energy Tariff under the Penetration of DG. Energies, 2020, 13, 1910.	3.1	0
39	Observer Design Method for Discrete-Time LPV Descriptor Systems. , 2021, , .		0
40	Admissibility Analysis of Descriptor Delay Systems: Transformation Model. , 2021, , .		0