Rudy Cepeda-Gomez

List of Publications by Citations

26 papers	239 citations	9 h-index	15 g-index
33 ext. papers	303 ext. citations	2 avg, IF	3.63 L-index

#	Paper	IF	Citations
26	An Exact Method for the Stability Analysis of Linear Consensus Protocols With Time Delay. *IEEE Transactions on Automatic Control*, **2011**, 56, 1734-1740	5.9	74
25	Formation Control of Nonholonomic Vehicles Under Time Delayed Communications. *IEEE Transactions on Automation Science and Engineering*, **2015**, 12, 819-826	4.9	22
24	Exhaustive stability analysis in a consensus system with time delay and irregular topologies. *International Journal of Control*, **2011**, 84, 746-757	1.5	19
23	Exact stability analysis of second-order leaderless and leader-follower consensus protocols with rationally-independent multiple time delays. *Systems and Control Letters*, **2013**, 62, 482-495	2.4	18
22	Consensus analysis with large and multiple communication delays using spectral delay space concept. *International Journal of Control*, **2011**, 84, 1996-2007	1.5	15
21	Stability of formation control using a consensus protocol under directed communications with two time delays and delay scheduling. *International Journal of Systems Science*, **2016**, 47, 433-449	2.3	13
20	Some special cases in the stability analysis of multi-dimensional time-delay systems using the matrix Lambert W function. *Automatica*, **2015**, 53, 339-345	5.7	12
19	Finding the exact delay bound for consensus of linear multi-agent systems. *International Journal of Systems Science*, **2016**, 47, 2598-2606	2.3	9
18	A consensus protocol under directed communications with two time delays and delay scheduling. *International Journal of Control*, **2014**, 87, 291-300	1.5	9
17	Stability Analysis for the Group Dynamics Consensus with Time Delayed Communications. *European Journal of Control*, **2012**, 18, 456-468	2.5	9
16	Parametric Investigation of Thermoacoustic Instability (TAI) in a Rijke Tube: A Time-Delay Perspective. *International Journal of Spray and Combustion Dynamics*, **2015**, 7, 39-68	1.3	8
15	Application of sliding mode control to swarms under conflict. *IET Control Theory and Applications*, **2011**, 5, 1167-1175	2.5	5
14	Consensus of a group of second order agents with switching irregular communication topologies and time-delay **2010**,		5
13	A Lyapunov treatment of swarm coordination under conflict. *JVC/Journal of Vibration and Control*, **2011**, 17, 641-650	2	5
12	A test platform for cognitive delays: target tracking problem with multiple time-delayed feedback control. *International Journal of Dynamics and Control*, **2014**, 2, 77-85	1.7	4
11	Control of Pitch-Flap Instabilities in Helicopter Rotors using Delayed Feedback. *IFAC-PapersOnLine*, **2016**, 49, 82-87	0.7	3
10	Special Cases in Using the Matrix Lambert W function for the Stability Analysis of High-Order Linear Systems with Time Delay**This work was supported in part by the Coimbra Group under its program of scholarships for young professors and researchers of Latin America and by the Programme of Interuniversity Attraction Poles of the Belgian Federal Science Policy Office (IAP P6/04 DYSCO), by OPTEC, the Optimization in Engineering Center of KU Leuven, and by the project G.0712.11N of the Research Foundation-Flander. *IFAC-PapersOnLine*, **2015**, 48, 7-12	0.7	2

List of Publications

9	Formation control based on a consensus protocol under directed communications with two time delays **2012**,		2
8	Stability of the Consensus of a Group of Second Order Agents With Time Delayed Communications **2010**,		2
7	Exhaustive stability analysis in a consensus system with time delay and irregular topologies **2011**,		1
6	Improved frequency sweeping technique and stability analysis of the second-order consensus protocol with distributed delays. *International Journal of Control*,1-0	1.5	1
5	Stability Analysis for a Consensus System of a Group of Autonomous Agents with Time Delays. *Lecture Notes in Control and Information Sciences*, **2012**, 119-133	0.5	1
4	The Homicidal Chauffeur Problem with Multiple Time Delayed Feedback. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 97-101		0
3	Delayed feedback control of pitch-flap instabilities in helicopter rotors **2019**, 123-142		
2	Exact Stability Analysis of a Second-Order Leaderless Consensus Protocol with Multiple Communication and Input Delays. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 185-190		
1	Second-Order Leaderless Consensus Protocols with Multiple Communication and Input Delays from Stability Perspective. *Advances in Delays and Dynamics*, **2014**, 113-126	0.3	