

Rudy Cepeda-Gomez

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Delayed feedback control of pitch-flap instabilities in helicopter rotors 2019 , 123-142		
25	Finding the exact delay bound for consensus of linear multi-agent systems. <i>International Journal of Systems Science</i> , 2016 , 47, 2598-2606	2.3	9
24	Stability of formation control using a consensus protocol under directed communications with two time delays and delay scheduling. <i>International Journal of Systems Science</i> , 2016 , 47, 433-449	2.3	13
23	Control of Pitch-Flap Instabilities in Helicopter Rotors using Delayed Feedback. <i>IFAC-PapersOnLine</i> , 2016 , 49, 82-87	0.7	3
22	Some special cases in the stability analysis of multi-dimensional time-delay systems using the matrix Lambert W function. <i>Automatica</i> , 2015 , 53, 339-345	5.7	12
21	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 Formation, Control of Nonholonomic Vehicles Under Time Delayed Communications. <i>IEEE Project Transactions on Automation Science and Engineering</i> , 2015 , 12, 819-826	0.7	2
20	Formation Control of Nonholonomic Vehicles Under Time Delayed Communications. <i>IEEE Project Transactions on Automation Science and Engineering</i> , 2015 , 12, 819-826	4.9	22
19	Parametric Investigation of Thermoacoustic Instability (TAI) in a Rijke Tube: A Time-Delay Perspective. <i>International Journal of Spray and Combustion Dynamics</i> , 2015 , 7, 39-68	1.3	8
18	A consensus protocol under directed communications with two time delays and delay scheduling. <i>International Journal of Control</i> , 2014 , 87, 291-300	1.5	9
17	A test platform for cognitive delays: target tracking problem with multiple time-delayed feedback control. <i>International Journal of Dynamics and Control</i> , 2014 , 2, 77-85	1.7	4
16	Second-Order Leaderless Consensus Protocols with Multiple Communication and Input Delays from Stability Perspective. <i>Advances in Delays and Dynamics</i> , 2014 , 113-126	0.3	
15	Exact stability analysis of second-order leaderless and leader-follower consensus protocols with rationally-independent multiple time delays. <i>Systems and Control Letters</i> , 2013 , 62, 482-495	2.4	18
14	Stability Analysis for the Group Dynamics Consensus with Time Delayed Communications. <i>European Journal of Control</i> , 2012 , 18, 456-468	2.5	9
13	Formation control based on a consensus protocol under directed communications with two time delays 2012 ,		2
12	Exact Stability Analysis of a Second-Order Leaderless Consensus Protocol with Multiple Communication and Input Delays. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 185-190		
11	The Homicidal Chauffeur Problem with Multiple Time Delayed Feedback. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 97-101		0
10	Stability Analysis for a Consensus System of a Group of Autonomous Agents with Time Delays. <i>Lecture Notes in Control and Information Sciences</i> , 2012 , 119-133	0.5	1

9	Consensus analysis with large and multiple communication delays using spectral delay space concept. <i>International Journal of Control</i> , 2011 , 84, 1996-2007	1.5	15
8	Exhaustive stability analysis in a consensus system with time delay and irregular topologies. <i>International Journal of Control</i> , 2011 , 84, 746-757	1.5	19
7	An Exact Method for the Stability Analysis of Linear Consensus Protocols With Time Delay. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 1734-1740	5.9	74
6	Application of sliding mode control to swarms under conflict. <i>IET Control Theory and Applications</i> , 2011 , 5, 1167-1175	2.5	5
5	Exhaustive stability analysis in a consensus system with time delay and irregular topologies 2011 ,		1
4	A Lyapunov treatment of swarm coordination under conflict. <i>JVC/Journal of Vibration and Control</i> , 2011 , 17, 641-650	2	5
3	Consensus of a group of second order agents with switching irregular communication topologies and time-delay 2010 ,		5
2	Stability of the Consensus of a Group of Second Order Agents With Time Delayed Communications 2010 ,		2
1	Improved frequency sweeping technique and stability analysis of the second-order consensus protocol with distributed delays. <i>International Journal of Control</i> , 1-0	1.5	1