

# Hetel Laurentiu

## List of Publications by Year in descending order

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37  
papers

1,484  
citations

566801

15  
h-index

642321

23  
g-index

38  
all docs

38  
docs citations

38  
times ranked

962  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability Analysis of Networked Control Systems Using a Switched Linear Systems Approach. IEEE Transactions on Automatic Control, 2011, 56, 2101-2115.	3.6	458
2	Stability and $H_\infty$ -gain analysis of Networked Control Systems under Round-Robin scheduling: A time-delay approach. Systems and Control Letters, 2012, 61, 666-675.	1.3	143
3	Robust Sampled-Data Control of Switched Affine Systems. IEEE Transactions on Automatic Control, 2013, 58, 2922-2928.	3.6	120
4	Bumpless transfer for switched linear systems. Automatica, 2012, 48, 1440-1446.	3.0	82
5	A state dependent sampling for linear state feedback. Automatica, 2012, 48, 1860-1867.	3.0	75
6	Stability analysis of bilinear systems under aperiodic sampled-data control. Automatica, 2014, 50, 1288-1295.	3.0	73
7	Discrete and Intersample Analysis of Systems With Aperiodic Sampling. IEEE Transactions on Automatic Control, 2011, 56, 1696-1701.	3.6	71
8	Stabilization of linear impulsive systems through a nearly-periodic reset. Nonlinear Analysis: Hybrid Systems, 2013, 7, 4-15.	2.1	67
9	Comparison of overapproximation methods for stability analysis of networked control systems. , 2010, , .		60
10	Networked Control Systems in the Presence of Scheduling Protocols and Communication Delays. SIAM Journal on Control and Optimization, 2015, 53, 1768-1788.	1.1	44
11	Stability analysis of some classes of input-affine nonlinear systems with aperiodic sampled-data control. Automatica, 2016, 70, 266-274.	3.0	41
12	Local Stabilization of Switched Affine Systems. IEEE Transactions on Automatic Control, 2015, 60, 1158-1163.	3.6	32
13	A predictive control scheme for systems with variable time-delay. International Journal of Control, 2012, 85, 915-932.	1.2	29
14	Network-based control via a novel analysis of hybrid systems with time-varying delays. , 2012, , .		27
15	Variable Structure Control With Generalized Relays: A Simple Convex Optimization Approach. IEEE Transactions on Automatic Control, 2015, 60, 497-502.	3.6	26
16	A robust stability framework for LTI systems with time-varying sampling. Automatica, 2015, 54, 56-64.	3.0	20
17	Binary Control Design for a Class of Bilinear Systems: Application to a Multilevel Power Converter. IEEE Transactions on Control Systems Technology, 2016, 24, 719-726.	3.2	16
18	Parameter-Dependent Relay Control: Application to PMSM. IEEE Transactions on Control Systems Technology, 2015, 23, 1628-1637.	3.2	15

#	ARTICLE	IF	CITATIONS
19	Networked Control Systems: A time-delay approach. , 2014, , .		11
20	A Switching Controller for a Class of MIMO Bilinear Systems With Time Delay. IEEE Transactions on Automatic Control, 2020, 65, 2250-2256.	3.6	9
21	Sampled-Data Stabilization via Round-Robin Scheduling: A Direct Lyapunov-Krasovskii Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1459-1464.	0.4	7
22	State-dependent sampling for perturbed time-delay systems. , 2012, , .		7
23	State-dependent sampling for Linear Time Invariant systems: A discrete time analysis. , 2012, , .		7
24	Vector lyapunov function based stability for a class of impulsive systems. , 2015, , .		7
25	Stabilization of Switched Linear Systems with Unknown Time Varying Delays. , 2006, , 335-340.		6
26	Stability of bilinear sampled-data systems with an emulation of static state feedback. , 2012, , .		5
27	Tutorial on arbitrary and state-dependent sampling. , 2014, , .		5
28	Reset control systems: stabilization by nearly-periodic reset. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2395-2400.	0.4	4
29	Sampled " data control of switched affine systems: a continuous-time approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 582-587.	0.4	4
30	Sampled-data control of LTI systems with relays: a convex optimization approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 711-716.	0.4	4
31	On relay control for discrete time systems using linear matrix inequalities. , 2014, , .		3
32	Permanent Magnet Synchronous Motor control via Parameter Dependent Relay control. , 2014, , .		3
33	Network-Based Control under Round-Robin Scheduling and Quantization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 91-96.	0.4	1
34	On finite-time stabilization via relay feedback control. , 2015, , .		1
35	Sampled-Data Control of Switched Affine Systems. Lecture Notes in Control and Information Sciences, 2015, , 241-259.	0.6	1
36	Echantillonnage d' pendant de l' tat pour les systÃ mes avec perturbations et retards. Journal European Des Systemes Automatises, 2011, 45, 189-203.	0.3	0

#	ARTICLE	IF	CITATIONS
37	A Hybrid Method for the Analysis of Non-uniformly Sampled Systems. Lecture Notes in Control and Information Sciences, 2012, , 253-264.	0.6	0