

Marc Jungers

List of Publications by Year in descending order

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75
papers

860
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430874

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526287

27
g-index

77
all docs

77
docs citations

77
times ranked

574
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability analysis of discrete-time Lurê™e systems. Automatica, 2012, 48, 2277-2283.	5.0	70
2	Necessary and sufficient condition for stabilizability of discrete-time linear switched systems: A set-theory approach. Automatica, 2014, 50, 75-83.	5.0	68
3	On the Stabilizability of Discrete-Time Switched Linear Systems: Novel Conditions and Comparisons. IEEE Transactions on Automatic Control, 2016, 61, 1181-1193.	5.7	63
4	MPC for LPV systems with bounded parameter variations. International Journal of Control, 2011, 84, 24-36.	1.9	51
5	Gain-scheduled output control design for a class of discrete-time nonlinear systems with saturating actuators. Systems and Control Letters, 2011, 60, 169-173.	2.3	46
6	A dynamic output feedback controller for NCS based on delay estimates. Automatica, 2013, 49, 788-792.	5.0	45
7	Delay-dependent sampled-data control based on delay estimates. Systems and Control Letters, 2011, 60, 146-150.	2.3	36
8	Control via Leadership of Opinion Dynamics with State and Time-Dependent Interactions. IEEE Transactions on Automatic Control, 2018, 63, 1200-1207.	5.7	34
9	Min-max and min-min stackelberg strategies with closed-loop information structure. Journal of Dynamical and Control Systems, 2011, 17, 387-425.	0.8	27
10	Bounded Nash type controls for uncertain linear systems. Automatica, 2008, 44, 1874-1879.	5.0	26
11	On Linear-Quadratic Stackelberg Games With Time Preference Rates. IEEE Transactions on Automatic Control, 2008, 53, 621-625.	5.7	25
12	Stabilization and control Lyapunov functions for language constrained discrete-time switched linear systems. Automatica, 2018, 93, 64-74.	5.0	25
13	On the use of low-pass filters in high-gain observers. Systems and Control Letters, 2021, 148, 104856.	2.3	23
14	Finite -induced gain and -contractivity of discrete-time switching systems including modal nonlinearities and actuator saturations. Nonlinear Analysis: Hybrid Systems, 2011, 5, 289-300.	3.5	21
15	Guaranteed Cost Certification for Discrete-Time Linear Switched Systems With a Dwell Time. IEEE Transactions on Automatic Control, 2013, 58, 768-772.	5.7	21
16	Stability analysis and stabilisation of switched nonlinear systems. International Journal of Control, 2012, 85, 822-829.	1.9	20
17	Anti-windup strategies for discrete-time switched systems subject to input saturation. International Journal of Control, 2016, 89, 919-937.	1.9	19
18	Power allocation games in wireless networks of multi-antenna terminals. Telecommunication Systems, 2011, 47, 109-122.	2.5	18

#	ARTICLE	IF	CITATIONS
19	Min-switching local stabilization for discrete-time switching systems with nonlinear modes. <i>Nonlinear Analysis: Hybrid Systems</i> , 2013, 9, 18-26.	3.5	14
20	Joint power control-allocation for green cognitive wireless networks using mean field theory. , 2010, , .		12
21	Performance analysis and design of dynamic output feedback control for switched systems. <i>International Journal of Control</i> , 2011, 84, 253-260.	1.9	11
22	Uniform ultimate boundedness analysis and synthesis for linear systems with dead-zone in the actuators. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 2502-2514.	3.7	11
23	Sufficient LMI stability conditions for Lur \hat{e} type systems governed by a control law designed on their Euler approximate model. <i>International Journal of Control</i> , 2015, 88, 1841-1850.	1.9	11
24	Output Injection Filtering Redesign in High-Gain Observers. , 2018, , .		11
25	Opinion dynamics control by leadership with bounded influence. , 2016, , .		9
26	Bounds for the remainders of uncertain matrix exponential and sampled-data control of polytopic linear systems. <i>Automatica</i> , 2017, 82, 202-208.	5.0	9
27	Super-Twisting Sliding Modes Tracking Control of a Nonholonomic Wheeled Mobile Robot. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012, 45, 429-434.	0.4	8
28	On stabilizability conditions for discrete-time switched linear systems. , 2014, , .		8
29	Effect of a distributed delay on relative stability of diffusely coupled systems, with application to synchronized equilibria. <i>International Journal of Robust and Nonlinear Control</i> , 2016, 26, 1565-1582.	3.7	8
30	Language constrained stabilization of discrete-time switched linear systems: a Lyapunov-Metzler inequalities approach. , 2016, , .		6
31	General Matrix Pencil Techniques for Solving Discrete-Time Nonsymmetric Algebraic Riccati Equations. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2010, 31, 1257-1278.	1.4	5
32	Stabilization of Discrete-time Nonlinear Systems subject to Input Saturations: a New Lyapunov Function Class. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011, 44, 3403-3408.	0.4	5
33	Feedback strategies for discrete-time linear-quadratic two-player descriptor games. <i>Linear Algebra and Its Applications</i> , 2014, 440, 1-23.	0.9	5
34	Stabilization of switched affine systems via multiple shifted Lyapunov functions. <i>IFAC-PapersOnLine</i> , 2020, 53, 6133-6138.	0.9	5
35	A series solution for coupled algebraic Riccati type equations from closed-loop Nash strategy. , 2007, , .		4
36	Model predictive control for linear parameter varying systems using path-dependent Lyapunov functions*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009, 42, 97-102.	0.4	4

#	ARTICLE	IF	CITATIONS
37	A new class of Lyapunov functions for nonstandard switching systems: The stability analysis problem. , 2011, , .		4
38	Necessary and sufficient condition for stabilizability of discrete-time linear switched systems: a set-theory approach*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 196-201.	0.4	4
39	Sampling period assignment: A cooperative design approach. , 2014, , .		4
40	Language constrained stabilization of discrete-time switched linear systems: an LMI approach. IFAC-PapersOnLine, 2018, 51, 25-30.	0.9	4
41	Stabilization of discrete-time switching systems including modal nonlinearities and saturating actuators. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 174-179.	0.4	3
42	A Nash Strategy Approach for Non-Uniform Multiple Pole Shifting. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6789-6794.	0.4	3
43	A Nash Game with long-term and short-term players. , 2013, , .		3
44	Synchronization of coupled nonlinear oscillators with shifted gamma-distributed delays. , 2013, , .		3
45	L2-induced gain for discrete-time switched Lur'e systems via a suitable Lyapunov function. IFAC-PapersOnLine, 2015, 48, 277-282.	0.9	3
46	Transient cluster formation in generalized Hegselmann-Krause opinion dynamics. , 2016, , .		3
47	Exponential stabilization of language constrained discrete-time switched linear systems: A geometrical approach. , 2016, , .		3
48	Historical perspectives of the Riccati equations * *This work was partially supported by project ANR COMPACS -"Computation Aware Control Systems", ANR-13-BS03-004.. IFAC-PapersOnLine, 2017, 50, 9535-9546.	0.9	3
49	Hybrid Framework for Consensus in Directed and Asynchronous Network of Non-Holonomic Agents. , 2018, 2, 707-712.		3
50	Output feedback control for bilinear systems: a polytopic approach. IFAC-PapersOnLine, 2019, 52, 58-63.	0.9	3
51	Synchronization on a limit cycle of multi-agent systems governed by discrete-time switched affine dynamics. IFAC-PapersOnLine, 2021, 54, 295-300.	0.9	3
52	Output feedback control for quadratic systems: A Lyapunov function approach. International Journal of Robust and Nonlinear Control, 2021, 31, 8373-8389.	3.7	3
53	DISCRETE-TIME RICCATI EQUATIONS IN OPEN-LOOP STACKELBERG GAMES WITH TIME PREFERENCE RATES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 476-481.	0.4	2
54	Matrix block formulation of closed-loop memoryless Stackelberg strategy for discrete-time games. , 2008, , .		2

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55	Min-Switching Stabilization for Discrete-Time Switching Systems with Nonlinear Modes*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 234-239.	0.4	2
56	Feedback Nash Strategy for games with player-dependent time horizons. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 45-50.	0.4	2
57	On using disconnected level sets Lyapunov functions in the context of sampled-data systems. , 2013, , .		2
58	Stabilization of sampled-data Lur'e systems with nonuniform sampling. , 2015, , .		2
59	Squaring down with zeros cancellation in generalized systems. Systems and Control Letters, 2016, 92, 5-13.	2.3	2
60	Hybrid framework for consensus in fleets of non-holonomic robots. , 2018, , .		2
61	Contributions to Output Controllability for Linear Time Varying Systems. , 2022, 6, 1064-1069.		2
62	Nonsymmetric algebraic Riccati theory: A matrix pencil approach. , 2009, , .		1
63	Continuous-Time Non-Symmetric Algebraic Riccati Theory: A Matrix Pencil Approach. European Journal of Control, 2012, 18, 74-81.	2.6	1
64	Switching control consistency of switched Lur'e systems with application to digital control design with non uniform sampling. , 2015, , .		1
65	Sur lâ€™utilisation dâ€™une fonction de Lyapunov Ã lignes de niveau non connexes. Journal Europeen Des Systemes Automatises, 2013, 47, 483-501.	0.4	1
66	Commande mixte H_2/H_∞ . Une approche par la stratÃ©gie de Stackelberg. Journal Europeen Des Systemes Automatises, 2006, 40, 1113-1139.	0.4	1
67	Stabilization of Sampled-Data Lure Systems with Slope-Restricted Nonlinearities. , 2021, , .		1
68	Using Model Checking for Analyzing Distributed Power Control Problems. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	0
69	Delay-dependent sampled-data control of LTI systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 37-42.	0.4	0
70	Discussion on: â€œControl Design for Time-Delay Linear Systems: A Rational Transfer Function Based Approachâ€. European Journal of Control, 2012, 18, 437-438.	2.6	0
71	A gametheoretic approach for non-uniform pole shifting and pole homothety. Automatica, 2013, 49, 238-244.	5.0	0
72	Guaranteed cost control design for descriptor systems with time-varying delays. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
73	Dynamic Output Absolute Stabilization of a Discrete-Time Switched Lurâ€™e System. IFAC-PapersOnLine, 2018, 51, 359-364.	0.9	0
74	Hybrid formalism for consensus of a general class of multi-agent systems with biased measurements. , 2019, , .		0
75	Dissipativeness and Dissipativation of discrete-time switched linear systems. , 2019, , .		0