

Marc Jungers

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

860
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430442

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525886

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77
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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. | 3.0 | 70 |
| 2 | Necessary and sufficient condition for stabilizability of discrete-time linear switched systems: A set-theory approach. Automatica, 2014, 50, 75-83. | 3.0 | 68 |
| 3 | On the Stabilizability of Discrete-Time Switched Linear Systems: Novel Conditions and Comparisons. IEEE Transactions on Automatic Control, 2016, 61, 1181-1193. | 3.6 | 63 |
| 4 | MPC for LPV systems with bounded parameter variations. International Journal of Control, 2011, 84, 24-36. | 1.2 | 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. | 1.3 | 46 |
| 6 | A dynamic output feedback controller for NCS based on delay estimates. Automatica, 2013, 49, 788-792. | 3.0 | 45 |
| 7 | Delay-dependent sampled-data control based on delay estimates. Systems and Control Letters, 2011, 60, 146-150. | 1.3 | 36 |
| 8 | Control via Leadership of Opinion Dynamics with State and Time-Dependent Interactions. IEEE Transactions on Automatic Control, 2018, 63, 1200-1207. | 3.6 | 34 |
| 9 | Min-max and min-min stackelberg strategies with closed-loop information structure. Journal of Dynamical and Control Systems, 2011, 17, 387-425. | 0.4 | 27 |
| 10 | Bounded Nash type controls for uncertain linear systems. Automatica, 2008, 44, 1874-1879. | 3.0 | 26 |
| 11 | On Linear-Quadratic Stackelberg Games With Time Preference Rates. IEEE Transactions on Automatic Control, 2008, 53, 621-625. | 3.6 | 25 |
| 12 | Stabilization and control Lyapunov functions for language constrained discrete-time switched linear systems. Automatica, 2018, 93, 64-74. | 3.0 | 25 |
| 13 | On the use of low-pass filters in high-gain observers. Systems and Control Letters, 2021, 148, 104856. | 1.3 | 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. | 2.1 | 21 |
| 15 | Guaranteed Cost Certification for Discrete-Time Linear Switched Systems With a Dwell Time. IEEE Transactions on Automatic Control, 2013, 58, 768-772. | 3.6 | 21 |
| 16 | Stability analysis and stabilisation of switched nonlinear systems. International Journal of Control, 2012, 85, 822-829. | 1.2 | 20 |
| 17 | Anti-windup strategies for discrete-time switched systems subject to input saturation. International Journal of Control, 2016, 89, 919-937. | 1.2 | 19 |
| 18 | Power allocation games in wireless networks of multi-antenna terminals. Telecommunication Systems, 2011, 47, 109-122. | 1.6 | 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. | 2.1 | 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. | 1.2 | 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. | 2.1 | 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. | 1.2 | 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. | 3.0 | 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. | 2.1 | 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. | 0.7 | 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. | 0.4 | 5 |
| 34 | Stabilization of switched affine systems via multiple shifted Lyapunov functions. <i>IFAC-PapersOnLine</i> , 2020, 53, 6133-6138. | 0.5 | 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 |

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|----|--|-----|-----------|
| 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. | 0.5 | 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. | 0.5 | 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. | 0.5 | 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. | 0.5 | 3 |
| 51 | Synchronization on a limit cycle of multi-agent systems governed by discrete-time switched affine dynamics. IFAC-PapersOnLine, 2021, 54, 295-300. | 0.5 | 3 |
| 52 | Output feedback control for quadratic systems: A Lyapunov function approach. International Journal of Robust and Nonlinear Control, 2021, 31, 8373-8389. | 2.1 | 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. | 1.3 | 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. | 1.6 | 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. | 0.3 | 1 |
| 66 | Commande mixte H_2/H_∞ . Une approche par la stratÃ©gie de Stackelberg. Journal Europeen Des Systemes Automatises, 2006, 40, 1113-1139. | 0.3 | 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, . | 1.5 | 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. | 1.6 | 0 |
| 71 | A gametheoretic approach for non-uniform pole shifting and pole homothety. Automatica, 2013, 49, 238-244. | 3.0 | 0 |
| 72 | Guaranteed cost control design for descriptor systems with time-varying delays. , 2017, , . | | 0 |

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|----|---|-----|-----------|
| 73 | Dynamic Output Absolute Stabilization of a Discrete-Time Switched Lurâ€™e System. IFAC-PapersOnLine, 2018, 51, 359-364. | 0.5 | 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 |