## David Angeli

## List of Publications by Year in descending order

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81900 51608 8,043 167 39 citations h-index papers

g-index 169 169 169 3824 docs citations times ranked citing authors all docs

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| #  | Article   | IF           | CITATIONS |
|----|---|--------------|-----------|
| 1  | A Robust Lyapunov Criterion for Nonoscillatory Behaviors in Biological Interaction Networks. IEEE Transactions on Automatic Control, 2022, 67, 3305-3320.       | 5.7          | 6         |
| 2  | A Resilient Consensus Protocol for Networks With Heterogeneous Confidence and Byzantine Adversaries., 2022, 6, 494-499.   |              | 1         |
| 3  | Continuous-time switched systems with switching frequency constraints: Path-complete stability criteria. Automatica, 2022, 137, 110099.                         | 5.0          | 7         |
| 4  | Heterogeneous network flow and Petri nets characterize multilayer complex networks. Scientific Reports, 2022, 12, 3513.   | 3.3          | 0         |
| 5  | Flexibility Framework With Recovery Guarantees for Aggregated Energy Storage Devices. IEEE Transactions on Smart Grid, 2022, 13, 3519-3531.                     | 9.0          | 1         |
| 6  | Ruling Out Positive Lyapunov Exponents by Using the Jacobian's Second Additive Compound Matrix. , 2022, 6, 2924-2928.   |              | 1         |
| 7  | Homothetic Tube-Based Robust Economic MPC With Integrated Moving Horizon Estimation. IEEE Transactions on Automatic Control, 2021, 66, 64-75.                   | 5 <b>.</b> 7 | 13        |
| 8  | On Adversary Robust Consensus Protocols Through Joint-Agent Interactions. IEEE Transactions on Automatic Control, 2021, 66, 1646-1657.                          | 5.7          | 3         |
| 9  | Scheduling of energy storage. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20190435.                       | 3.4          | 5         |
| 10 | An iterative algorithm for regret minimization in flexible demand scheduling problems. Advanced Control for Applications, 2021, 3, e92.                         | 1.7          | 1         |
| 11 | Economic Model Predictive Control. , 2021, , 665-671.   |              | 0         |
| 12 | On convergence for hybrid models of gene regulatory networks under polytopic uncertainties: a Lyapunov approach. Journal of Mathematical Biology, 2021, 83, 64. | 1.9          | 3         |
| 13 | Robust Distributed Estimation of the Maximum of a Field. IEEE Transactions on Control of Network Systems, 2020, 7, 372-383.                                     | 3.7          | 3         |
| 14 | A Graphical Measure of Aggregate Flexibility for Energy-Constrained Distributed Resources. IEEE Transactions on Smart Grid, 2020, 11, 106-117.                  | 9.0          | 14        |
| 15 | On Convergence for Piecewise Affine Models of Gene Regulatory Networks via a Lyapunov Approach. IEEE Transactions on Automatic Control, 2020, 65, 3333-3348.    | 5.7          | 4         |
| 16 | Homothetic tube-based robust offset-free economic Model Predictive Control. Automatica, 2020, 119, 109105.  | 5.0          | 9         |
| 17 | A computational framework for a Lyapunov-enabled analysis of biochemical reaction networks. PLoS Computational Biology, 2020, 16, e1007681.                     | 3.2          | 14        |
| 18 | Correction to "Minimizing Unserved Energy Using Heterogeneous Storage Units―[Sep 19 3647-3656]. IEEE Transactions on Power Systems, 2020, 35, 4144-4144.        | 6.5          | 0         |

| #  | Article   | IF  | Citations |
|----|---|-----|-----------|
| 19 | Study of Piecewise Multi-affine models for Genetic Regulatory Networks via a Lyapunov approach: an LMI framework. IFAC-PapersOnLine, 2020, 53, 16739-16744.                                 | 0.9 | O         |
| 20 | On Path-Complete Lyapunov Functions: Geometry and Comparison. IEEE Transactions on Automatic Control, 2019, 64, 1947-1957.  | 5.7 | 15        |
| 21 | Distributed Coordination of Flexible Loads Using Locational Marginal Prices. IEEE Transactions on Control of Network Systems, 2019, 6, 1097-1110.   | 3.7 | 6         |
| 22 | A Petri Net approach to consensus in networks with joint-agent interactions. Automatica, 2019, 110, 108466.   | 5.0 | 8         |
| 23 | A game-theoretic approach for price-based coordination of flexible devices operating in integrated energy-reserve markets. Energy, 2019, 189, 116153.                                       | 8.8 | 9         |
| 24 | Minimizing Unserved Energy Using Heterogeneous Storage Units. IEEE Transactions on Power Systems, 2019, 34, 3647-3656.  | 6.5 | 18        |
| 25 | A Mean Field Game Approach for Distributed Control of Thermostatic Loads Acting in Simultaneous<br>Energy-Frequency Response Markets. IEEE Transactions on Smart Grid, 2019, 10, 5987-5999. | 9.0 | 43        |
| 26 | Criteria for asymptotic clustering of opinion dynamics towards bimodal consensus. Automatica, 2019, 103, 230-238.   | 5.0 | 6         |
| 27 | On second order consensus protocols allowing joint-agent interactions. , 2019, , .  |     | 0         |
| 28 | Chance-Constrained Ancillary Service Specification for Heterogeneous Storage Devices., 2019,,.  |     | 3         |
| 29 | Approximate computation of storage functions for discrete-time systems using sum-of-squares techniques. IFAC-PapersOnLine, 2019, 52, 508-513.   | 0.9 | 9         |
| 30 | Economic Model Predictive Control: Some Design Tools and Analysis Techniques. Control Engineering, 2019, , 145-167.   | 0.3 | 4         |
| 31 | Perturbation Theory and Singular Perturbations for Input-to-State Multistable Systems on Manifolds. IEEE Transactions on Automatic Control, 2019, 64, 3555-3570.                            | 5.7 | 12        |
| 32 | Economic Model Predictive Control. , 2019, , 1-7.   |     | 2         |
| 33 | Asymptotic Consensus on the Average of a Field for Time-Varying Nonlinear Networks Under Almost Periodic Connectivity. IEEE Transactions on Automatic Control, 2018, 63, 2389-2404.         | 5.7 | 4         |
| 34 | On Distributed Scheduling of Flexible Demand and Nash Equilibria in the Electricity Market. Dynamic Games and Applications, 2018, 8, 761-798.   | 1.9 | 4         |
| 35 | Investigating the Social Efficiency of Merchant Transmission Planning Through a Non-cooperative Game-Theoretic Framework. IEEE Transactions on Power Systems, 2018, 33, 4831-4841.          | 6.5 | 8         |
| 36 | Integration of Price-Responsive Appliances in the Energy Market Through Flexible Demand Saturation. IEEE Transactions on Control of Network Systems, 2018, 5, 154-166.                      | 3.7 | 6         |

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| 37 | Distributed schemes for efficient deployment of price-responsive demand with partial flexibility. Journal of Control and Decision, 2018, 5, 169-194.   | 1.6 | 1         |
| 38 | Coordination of Micro-Storage Devices in Power Grids: A Multi-Agent System Approach for Energy Arbitrage. , 2018, , .  |     | 0         |
| 39 | Robustly Maximal Utilisation of Energy-Constrained Distributed Resources. , 2018, , .  |     | 10        |
| 40 | On consensus protocols allowing joint-agent interactions. , 2018, , .  |     | 2         |
| 41 | Distributed Coordination of Price-Responsive Electric Loads: A Receding Horizon Approach. , 2018, , .  |     | 4         |
| 42 | A Game-Theoretic Modeling Approach for Merchant Transmission Planning. , 2018, , .   |     | 0         |
| 43 | Tube-Based Robust Economic Model Predictive Control on Dissipative Systems with Generalized Optimal Regimes of Operation. , 2018, , .  |     | 9         |
| 44 | A Distributed Price-based Strategy for Flexible Demand Coordination in Multi-area Systems. , 2018, , .   |     | 2         |
| 45 | On piecewise quadratic Lyapunov functions for piecewise affine models of gene regulatory networks. , 2018, , .   |     | 6         |
| 46 | Analysis of economic model predictive control with terminal penalty functions on generalized optimal regimes of operation. International Journal of Robust and Nonlinear Control, 2018, 28, 4790-4815. | 3.7 | 19        |
| 47 | A framework for receding-horizon control in infinite-horizon aggregative games. Annual Reviews in Control, 2018, 45, 191-204.  | 7.9 | 5         |
| 48 | Necessary and sufficient conditions for consensus in nonlinear monotone networks with unilateral interactions. Automatica, 2017, 77, 51-60.  | 5.0 | 18        |
| 49 | Price-Based Schemes for Distributed Coordination of Flexible Demand in the Electricity Market. IEEE Transactions on Smart Grid, 2017, 8, 3104-3116.  | 9.0 | 43        |
| 50 | Characterizations of Integral Input-to-State Stability for Systems With Multiple Invariant Sets. IEEE Transactions on Automatic Control, 2017, 62, 3729-3743.  | 5.7 | 11        |
| 51 | A Criterion for Exponential Consensus of Time-Varying Non-Monotone Nonlinear Networks. IEEE Transactions on Automatic Control, 2017, 62, 2483-2489.  | 5.7 | 8         |
| 52 | A linear program to compare path-complete Lyapunov functions. , 2017, , .  |     | 3         |
| 53 | A generalized approach to Economic Model Predictive Control with terminal penalty functions. IFAC-PapersOnLine, 2017, 50, 518-523.   | 0.9 | 5         |
| 54 | A Semi-Decentralized Scheme for Integration of Price-Responsive Appliances in the Electricity Market. IFAC-PapersOnLine, 2017, 50, 6729-6736.  | 0.9 | 3         |

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|----|---|-----|-----------|
| 55 | Smooth Lyapunov Functions for Multistable Differential Inclusions. IFAC-PapersOnLine, 2017, 50, 1661-1666.  | 0.9 | 0         |
| 56 | Convergence and optimality of a new iterative price-based scheme for distributed coordination of flexible loads in the electricity market. , $2017$ , , .                         |     | 6         |
| 57 | Smooth Lyapunov functions for multistable hybrid systems on manifolds. , 2017, , .  |     | 2         |
| 58 | Consensus-based algorithm for distributed estimation of the maximum of a field., 2017,,.  |     | 1         |
| 59 | Consensus for nonlinear monotone networks with unilateral interactions. , 2016, , .   |     | 2         |
| 60 | Output-to-State Stability for systems on manifolds with multiple invariant sets. , 2016, , .  |     | 2         |
| 61 | Cascades of iISS and Strong iISS systems with multiple invariant sets. , 2016, , .  |     | 1         |
| 62 | Decentralized coordination of large populations of flexible electrical appliances through demand saturation. , $2016,  ,  .$  |     | 1         |
| 63 | The ISS approach to the stability and robustness properties of nonautonomous systems with decomposable invariant sets: An overview. European Journal of Control, 2016, 30, 50-60. | 2.6 | 9         |
| 64 | Input-to-state stability for cascade systems with multiple invariant sets. Systems and Control Letters, 2016, 98, 97-110.   | 2.3 | 12        |
| 65 | Construction of robust Lyapunov functions for reaction networks. , 2016, , .  |     | 3         |
| 66 | Theoretical advances on Economic Model Predictive Control with time-varying costs. Annual Reviews in Control, 2016, 41, 218-224.  | 7.9 | 18        |
| 67 | Scheduling of Wind Farms for Optimal Frequency Response and Energy Recovery. IEEE Transactions on Control Systems Technology, 2016, 24, 1764-1778.                                | 5.2 | 24        |
| 68 | Frozen state conditions for exponential consensus of time-varying cooperative nonlinear networks. Automatica, 2016, 64, 182-189.  | 5.0 | 19        |
| 69 | Shaping pulses to control bistable systems: Analysis, computation and counterexamples. Automatica, 2016, 63, 254-264.   | 5.0 | 30        |
| 70 | New Approach to the Stability of Chemical Reaction Networks: Piecewise Linear in Rates Lyapunov Functions. IEEE Transactions on Automatic Control, 2016, 61, 76-89.               | 5.7 | 51        |
| 71 | Theoretical advances on Economic Model Predictive Control with time-varying costs. IFAC-PapersOnLine, 2015, 48, 272-277.  | 0.9 | 4         |
| 72 | Economic Model Predictive Control with parameter-varying cost and guaranteed average performance. , $2015,  ,  .$   |     | 5         |

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| 73 | Integral ISS for systems with multiple invariant sets. , 2015, , .  |     | O         |
| 74 | On exponential consensus for time-varying non-cooperative nonlinear networks., 2015,,.  |     | 3         |
| 75 | Analysis of Nash equilibria in energy markets with large populations of price-responsive flexible appliances. , 2015, , .                               |     | 5         |
| 76 | Distributed Control of Micro-Storage Devices With Mean Field Games. IEEE Transactions on Smart Grid, 2015, , 1-1.                                       | 9.0 | 13        |
| 77 | Characterizations of Input-to-State Stability for Systems With Multiple Invariant Sets. IEEE<br>Transactions on Automatic Control, 2015, 60, 3242-3256. | 5.7 | 45        |
| 78 | On average performance of Economic Model Predictive Control with time-varying cost and terminal constraints. , 2015, , .                                |     | 5         |
| 79 | On Necessity and Robustness of Dissipativity in Economic Model Predictive Control. IEEE Transactions on Automatic Control, 2015, 60, 1671-1676.         | 5.7 | 98        |
| 80 | Robust Lyapunov functions for Complex Reaction Networks: An uncertain system framework. , 2014, , .   |     | 14        |
| 81 | Transient average constraints in economic model predictive control. Automatica, 2014, 50, 2943-2950.  | 5.0 | 23        |
| 82 | Performance analysis of economic MPC with self-tuning terminal cost., 2014,,.   |     | 1         |
| 83 | A small-gain result for orthant-monotone systems under mixed feedback. Systems and Control Letters, 2014, 68, 9-19.                                     | 2.3 | 21        |
| 84 | Cooperative economic model predictive control for linear systems with convex objectives. European Journal of Control, 2014, 20, 141-151.                | 2.6 | 12        |
| 85 | Convergence in economic model predictive control with average constraints. Automatica, 2014, 50, 3100-3111.   | 5.0 | 39        |
| 86 | Strong ilSS is preserved under cascade interconnection. Automatica, 2014, 50, 2424-2427.  | 5.0 | 36        |
| 87 | Combining iISS and ISS With Respect to Small Inputs: The Strong iISS Property. IEEE Transactions on Automatic Control, 2014, 59, 2518-2524.             | 5.7 | 70        |
| 88 | On the performance of economic model predictive control with self-tuning terminal cost. Journal of Process Control, 2014, 24, 1179-1186.                | 3.3 | 42        |
| 89 | Combinatorial approaches to Hopf bifurcations in systems of interacting elements. Communications in Mathematical Sciences, 2014, 12, 1101-1133.         | 1.0 | 15        |
| 90 | Economic and Environmental Benefits of Dynamic Demand in Providing Frequency Regulation. IEEE Transactions on Smart Grid, 2013, 4, 2036-2048.           | 9.0 | 109       |

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| 91  | On detachable maps and flows. Journal of Difference Equations and Applications, 2013, 19, 146-161.   | 1.1 | O         |
| 92  | Economic model predictive control with self-tuning terminal cost. European Journal of Control, 2013, 19, 408-416.  | 2.6 | 74        |
| 93  | Piecewise Linear in rates Lyapunov functions for Complex Reaction Networks. , 2013, , .  |     | 11        |
| 94  | Frozen state conditions for asymptotic consensus of time-varying cooperative nonlinear networks. , 2013, , .   |     | 11        |
| 95  | On convergence of averagely constrained economic MPC and necessity of dissipativity for optimal steady-state operation. , 2013, , .                                      |     | 34        |
| 96  | Distributed frequency control by means of responsive wind generation. , 2012, , .  |     | 0         |
| 97  | Remarks on the invalidation of biological models using monotone systems theory. , 2012, , .  |     | 9         |
| 98  | Strong iISS: Combination of iISS and ISS with respect to small inputs. , 2012, , .   |     | 7         |
| 99  | Addendum to "Convergence in Strongly Monotone Systems with an Increasing First Integral― SIAM Journal on Mathematical Analysis, 2012, 44, 536-537.                       | 1.9 | 5         |
| 100 | A stochastic approach to distributed power frequency control by means of smart appliances. , 2012, , .   |     | 3         |
| 101 | A Stochastic Approach to "Dynamic-Demand―Refrigerator Control. IEEE Transactions on Control Systems Technology, 2012, 20, 581-592.                                       | 5.2 | 143       |
| 102 | On Average Performance and Stability of Economic Model Predictive Control. IEEE Transactions on Automatic Control, 2012, 57, 1615-1626.                                  | 5.7 | 457       |
| 103 | Fundamentals of economic model predictive control., 2012,,.  |     | 183       |
| 104 | Enforcing convergence in nonlinear economic MPC., 2011,,.  |     | 17        |
| 105 | Persistence Results for Chemical Reaction Networks with Time-Dependent Kinetics and No Global Conservation Laws. SIAM Journal on Applied Mathematics, 2011, 71, 128-146. | 1.8 | 45        |
| 106 | Economic optimization using model predictive control with a terminal cost. Annual Reviews in Control, 2011, 35, 178-186.   | 7.9 | 331       |
| 107 | Boundedness analysis for open Chemical Reaction Networks with mass-action kinetics. Natural Computing, 2011, 10, 751-774.  | 3.0 | 6         |
| 108 | Stability Robustness in the Presence of Exponentially Unstable Isolated Equilibria. IEEE Transactions on Automatic Control, 2011, 56, 1582-1592.                         | 5.7 | 41        |

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| 109 | A small-gain result for orthant-monotone systems in feedback: The non sign-definite case. , 2011, , .  |              | 5         |
| 110 | Graph-theoretic characterizations of monotonicity of chemical networks in reaction coordinates. Journal of Mathematical Biology, 2010, 61, 581-616.                    | 1.9          | 62        |
| 111 | A Modular Criterion for Persistence of Chemical Reaction Networks. IEEE Transactions on Automatic Control, 2010, 55, 1674-1679.  | 5 <b>.</b> 7 | 3         |
| 112 | Convergence in Strongly Monotone Systems with an Increasing First Integral. SIAM Journal on Mathematical Analysis, 2010, 42, 334-353.                                  | 1.9          | 13        |
| 113 | Chemical networks with inflows and outflows: A positive linear differential inclusions approach. Biotechnology Progress, 2009, 25, 632-642.                            | 2.6          | 36        |
| 114 | Attractors in coherent systems of differential equations. Journal of Differential Equations, 2009, 246, 3058-3076.   | 2.2          | 17        |
| 115 | Further Results on Incremental Input-to-State Stability. IEEE Transactions on Automatic Control, 2009, 54, 1386-1391.  | 5.7          | 38        |
| 116 | Convergence in Networks With Counterclockwise Neural Dynamics. IEEE Transactions on Neural Networks, 2009, 20, 794-804.  | 4.2          | 8         |
| 117 | A Tutorial on Chemical Reaction Network Dynamics. European Journal of Control, 2009, 15, 398-406.  | 2.6          | 94        |
| 118 | A tutorial on Chemical Reaction Networks dynamics. , 2009, , .   |              | 1         |
| 119 | Oscillations in I/O Monotone Systems Under Negative Feedback. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2009, , .                              | 0.1          | 2         |
| 120 | An ellipsoidal off-line MPC scheme for uncertain polytopic discrete-time systems. Automatica, 2008, 44, 3113-3119.   | 5.0          | 146       |
| 121 | Integral Input to State Stable systems in cascade. Systems and Control Letters, 2008, 57, 519-527.   | 2.3          | 54        |
| 122 | Tight estimates for convergence of some non-stationary consensus algorithms. Systems and Control Letters, 2008, 57, 996-1004.  | 2.3          | 17        |
| 123 | Translation-invariant monotone systems, and a global convergence result for enzymatic futile cycles.<br>Nonlinear Analysis: Real World Applications, 2008, 9, 128-140. | 1.7          | 53        |
| 124 | Oscillations in I/O Monotone Systems Under Negative Feedback. IEEE Transactions on Automatic Control, 2008, 53, 166-176.   | 5.7          | 35        |
| 125 | Input-output instability patterns of Chemical Reaction Networks., 2008,,.  |              | 1         |
| 126 | On modularity and persistence of chemical reaction networks. , 2008, , .   |              | 2         |

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|-----|--|--------------|-----------|
| 127 | A Petri net approach to the study of persistence in chemical reaction networks. Mathematical Biosciences, 2007, 210, 598-618.  | 1.9          | 154       |
| 128 | Multistability in Systems With Counter-Clockwise Input–Output Dynamics. IEEE Transactions on Automatic Control, 2007, 52, 596-609.   | 5.7          | 28        |
| 129 | A tight small-gain theorem for not necessarily ISS systems. Systems and Control Letters, 2007, 56, 87-91.  | 2.3          | 70        |
| 130 | Data-based supervisory control of uncertain systems with application to automatic drug delivery for anesthesia. Automatica, 2007, 43, 1289-1295.   | 5.0          | 3         |
| 131 | Monotone Chemical Reaction Networks. Journal of Mathematical Chemistry, 2007, 41, 295-314.   | 1.5          | 97        |
| 132 | A Petri Net Approach to Persistence Analysis in Chemical Reaction Networks. Lecture Notes in Control and Information Sciences, 2007, , 181-216.  | 1.0          | 23        |
| 133 | Nonlinear control systems analysis and design, Horacio J. Marquez; John Wiley & Sons, Inc., ISBN: 0-471-42799-3 Automatica, 2006, 42, 189-190.   | 5.0          | 0         |
| 134 | Crowding effects promote coexistence in the chemostat. Journal of Mathematical Analysis and Applications, 2006, 319, 48-60.  | 1.0          | 26        |
| 135 | Stability of leaderless discrete-time multi-agent systems. Mathematics of Control, Signals, and Systems, 2006, 18, 293-322.  | 2.3          | 82        |
| 136 | Systems With Counterclockwise Input–Output Dynamics. IEEE Transactions on Automatic Control, 2006, 51, 1130-1143.  | 5.7          | 76        |
| 137 | Nonlinear norm-observability notions and stability of switched systems. IEEE Transactions on Automatic Control, 2005, 50, 154-168.   | 5 <b>.</b> 7 | 270       |
| 138 | Robust stabilization via saturated feedback. IEEE Transactions on Automatic Control, 2005, 50, 1997-2014.  | 5.7          | 20        |
| 139 | Detection of multistability, bifurcations, and hysteresis in a large class of biological positive-feedback systems. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1822-1827. | 7.1          | 879       |
| 140 | Uniform Global Asymptotic Stability of Differential Inclusions. Journal of Dynamical and Control Systems, 2004, 10, 391-412.   | 0.8          | 28        |
| 141 | Adaptive switching supervisory control of nonlinear systems with no prior knowledge of noise bounds. Automatica, 2004, 40, 449-457.  | 5.0          | 28        |
| 142 | Multi-stability in monotone input/output systems. Systems and Control Letters, 2004, 51, 185-202.  | 2.3          | 142       |
| 143 | A small-gain theorem for almost global convergence of monotone systems. Systems and Control Letters, 2004, 52, 407-414.  | 2.3          | 35        |
| 144 | Global Regulation of Input-Saturated Discrete-Time Linear Systems Subject to Persistent Disturbances. European Journal of Control, 2004, 10, 228-236.  | 2.6          | 0         |

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|-----|---|-----|-----------|
| 145 | Separation Principles for Input-Output and Integral-Input-to-State Stability. SIAM Journal on Control and Optimization, 2004, 43, 256-276.  | 2.1 | 78        |
| 146 | An Almost Global Notion of Input-to-State Stability. IEEE Transactions on Automatic Control, 2004, 49, 866-874.   | 5.7 | 118       |
| 147 | Monotone control systems. IEEE Transactions on Automatic Control, 2003, 48, 1684-1698.  | 5.7 | 503       |
| 148 | Integral versions of iss for sampled-data nonlinear systems via their approximate discrete-time models. IEEE Transactions on Automatic Control, 2002, 47, 2033-2037.                    | 5.7 | 35        |
| 149 | A Lyapunov approach to incremental stability properties. IEEE Transactions on Automatic Control, 2002, 47, 410-421.   | 5.7 | 532       |
| 150 | Lyapunov-based switching supervisory control of nonlinear uncertain systems. IEEE Transactions on Automatic Control, 2002, 47, 500-505.   | 5.7 | 93        |
| 151 | A Unifying Integral ISS Framework for Stability of Nonlinear Cascades. SIAM Journal on Control and Optimization, 2002, 40, 1888-1904.   | 2.1 | 127       |
| 152 | A Trajectory-Based Approach for the Stability Robustness of Nonlinear Systems with Inputs. Mathematics of Control, Signals, and Systems, 2002, 15, 336-355.                             | 2.3 | 5         |
| 153 | Discussion on:†Variable Horizon Robust Predictive Control via Adjustable Controllability Sets' by M.<br>N. Demenkov and N. B. Filimonov. European Journal of Control, 2001, 7, 605-608. | 2.6 | 0         |
| 154 | Power characterizations of input-to-state stability and integral input-to-state stability. IEEE Transactions on Automatic Control, 2001, 46, 1298-1303.                                 | 5.7 | 10        |
| 155 | On feasible set-membership state estimators in constrained command governor control. Automatica, 2001, 37, 151-156.   | 5.0 | 39        |
| 156 | Almost global stabilization of the inverted pendulum via continuous state feedback. Automatica, 2001, 37, 1103-1108.  | 5.0 | 128       |
| 157 | Predictive Pl-control of linear plants under positional and incremental input saturations. Automatica, 2000, 36, 1505-1516.   | 5.0 | 33        |
| 158 | Further Equivalences and Semiglobal Versions of Integral Input to State Stability. Journal of Dynamical and Control Systems, 2000, 10, 127-149.   | 0.4 | 75        |
| 159 | Robust command governors for constrained linear systems. IEEE Transactions on Automatic Control, 2000, 45, 2071-2077.   | 5.7 | 125       |
| 160 | A characterization of integral input-to-state stability. IEEE Transactions on Automatic Control, 2000, 45, 1082-1097.   | 5.7 | 526       |
| 161 | Forward completeness, unboundedness observability, and their Lyapunov characterizations. Systems and Control Letters, 1999, 38, 209-217.  | 2.3 | 307       |
| 162 | Intrinsic robustness of global asymptotic stability. Systems and Control Letters, 1999, 38, 297-307.  | 2.3 | 54        |

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| 163 | Input-to-state stability of PD-controlled robotic systems. Automatica, 1999, 35, 1285-1290.   | 5.0 | 102       |
| 164 | Command governors for constrained nonlinear systems. IEEE Transactions on Automatic Control, 1999, 44, 816-820.                                 | 5.7 | 75        |
| 165 | Some remarks on density functions for dual Lyapunov methods. , 0, , .   |     | 14        |
| 166 | A tight small gain theorem for not necessarily ISS systems. , 0, , .  |     | 7         |
| 167 | Smooth output-to-state stability for multistable systems on compact manifolds. ESAIM - Control, Optimisation and Calculus of Variations, 0, , . | 1.3 | 0         |