# Lars GrÃ¼ne

## List of Publications by Year
in descending order

| 174 papers | 5,259 citations | 94433 37 h-index | 98798 67 g-index |
|---|---|---|---|
| 187 all docs | 187 docs citations | 187 times ranked | 2272 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Nonlinear Model Predictive Control. Communications and Control Engineering, 2011, , . | 1.6 | 578 |
| 2 | Economic receding horizon control without terminal constraints. Automatica, 2013, 49, 725-734. | 5.0 | 299 |
| 3 | Nonlinear Model Predictive Control. Communications and Control Engineering, 2017, , . | 1.6 | 234 |
| 4 | Distributed and Decentralized Control of Residential Energy Systems Incorporating Battery Storage. IEEE Transactions on Smart Grid, 2015, 6, 1914-1923. | 9.0 | 162 |
| 5 | On the Infinite Horizon Performance of Receding Horizon Controllers. IEEE Transactions on Automatic Control, 2008, 53, 2100-2111. | 5.7 | 146 |
| 6 | Analysis and Design of Unconstrained Nonlinear MPC Schemes for Finite and Infinite Dimensional Systems. SIAM Journal on Control and Optimization, 2009, 48, 1206-1228. | 2.1 | 141 |
| 7 | Lyapunov-based continuous-time nonlinear controller redesign for sampled-data implementation. Automatica, 2005, 41, 1143-1156. | 5.0 | 132 |
| 8 | Homogeneous State Feedback Stabilization of Homogenous Systems. SIAM Journal on Control and Optimization, 2000, 38, 1288-1308. | 2.1 | 122 |
| 9 | Using dynamic programming with adaptive grid scheme for optimal control problems in economics. Journal of Economic Dynamics and Control, 2004, 28, 2427-2456. | 1.6 | 117 |
| 10 | Nonlinear Model Predictive Control. Communications and Control Engineering, 2017, , 45-69. | 1.6 | 117 |
| 11 | Stability and feasibility of state constrained MPC without stabilizing terminal constraints. Systems and Control Letters, 2014, 72, 14-21. | 2.3 | 106 |
| 12 | An adaptive grid scheme for the discrete Hamilton-Jacobi-Bellman equation. Numerische Mathematik, 1997, 75, 319-337. | 1.9 | 103 |
| 13 | Analysis of Unconstrained Nonlinear MPC Schemes with Time Varying Control Horizon. SIAM Journal on Control and Optimization, 2010, 48, 4938-4962. | 2.1 | 103 |
| 14 | An Exponential Turnpike Theorem for Dissipative Discrete Time Optimal Control Problems. SIAM Journal on Control and Optimization, 2014, 52, 1935-1957. | 2.1 | 98 |
| 15 | Asymptotic stability and transient optimality of economic MPC without terminal conditions. Journal of Process Control, 2014, 24, 1187-1196. | 3.3 | 97 |
| 16 | Using nonlinear model predictive control for dynamic decision problems in economics. Journal of Economic Dynamics and Control, 2015, 60, 112-133. | 1.6 | 92 |
| 17 | Asymptotic Behavior of Dynamical and Control Systems under Perturbation and Discretization. Lecture Notes in Mathematics, 2002, , . | 0.2 | 89 |
| 18 | Optimization-Based Stabilization of Sampled-Data Nonlinear Systems via Their Approximate Discrete-Time Models. SIAM Journal on Control and Optimization, 2003, 42, 98-122. | 2.1 | 87 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 19 | On the relation between strict dissipativity and turnpike properties. Systems and Control Letters, 2016, 90, 45-53. | 2.3 | 86 |
| 20 | Asymptotic stability equals exponential stability, and ISS equals finite energy gain â€" if you twist your eyes. Systems and Control Letters, 1999, 38, 127-134. | 2.3 | 80 |
| 21 | NMPC without terminal constraints. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1-13. | 0.4 | 76 |
| 22 | Nonlinear Model Predictive Control. Communications and Control Engineering, 2011, , 43-66. | 1.6 | 74 |
| 23 | Economic model predictive control without terminal constraints for optimal periodic behavior. Automatica, 2016, 70, 128-139. | 5.0 | 72 |
| 24 | Economic Nonlinear Model Predictive Control. Foundations and Trends in Systems and Control, 2018, 5, 224-409. | 7.5 | 65 |
| 25 | A Generalization of Zubov's Method to Perturbed Systems. SIAM Journal on Control and Optimization, 2001, 40, 496-515. | 2.1 | 59 |
| 26 | A Distributed Optimization Algorithm for the Predictive Control of Smart Grids. IEEE Transactions on Automatic Control, 2016, 61, 3898-3911. | 5.7 | 55 |
| 27 | Periodic Optimal Control, Dissipativity and MPC. IEEE Transactions on Automatic Control, 2017, 62, 2943-2949. | 5.7 | 55 |
| 28 | A receding horizon control approach to sampled-data implementation of continuous-time controllers. Systems and Control Letters, 2006, 55, 660-672. | 2.3 | 52 |
| 29 | Pathwise Approximation of Random Ordinary Differential Equations. BIT Numerical Mathematics, 2001, 41, 711-721. | 2.0 | 50 |
| 30 | Comparing accuracy of second-order approximation and dynamic programming. Computational Economics, 2007, 30, 65-91. | 2.6 | 48 |
| 31 | Asset pricing with loss aversion. Journal of Economic Dynamics and Control, 2008, 32, 3253-3274. | 1.6 | 48 |
| 32 | Turnpike Properties and Strict Dissipativity for Discrete Time Linear Quadratic Optimal Control Problems. SIAM Journal on Control and Optimization, 2018, 56, 1282-1302. | 2.1 | 48 |
| 33 | Solving ecological management problems using dynamic programming. Journal of Economic Behavior and Organization, 2005, 57, 448-473. | 2.0 | 41 |
| 34 | Linear programming based Lyapunov function computation for differential inclusions. Discrete and Continuous Dynamical Systems - Series B, 2012, 17, 33-56. | 0.9 | 41 |
| 35 | Global Optimal Control of Perturbed Systems. Journal of Optimization Theory and Applications, 2008, 136, 411-429. | 1.5 | 40 |
| 36 | Hierarchical distributed ADMM for predictive control with applications in power networks. IFAC Journal of Systems and Control, 2018, 3, 10-22. | 1.7 | 39 |

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|---|---------|-----|-----------|
| 37 | On the Relation between Discounted and Average Optimal Value Functions. Journal of Differential Equations, 1998, 148, 65-99. | 2.2 | 38 |
| 38 | Control Lyapunov Functions and Zubov's Method. SIAM Journal on Control and Optimization, 2008, 47, 301-326. | 2.1 | 38 |
| 39 | On the role of dissipativity in economic model predictive control. IFAC-PapersOnLine, 2015, 48, 110-116. | 0.9 | 38 |
| 40 | Stabilization with discounted optimal control. Systems and Control Letters, 2015, 82, 91-98. | 2.3 | 37 |
| 41 | A set oriented approach to optimal feedback stabilization. Systems and Control Letters, 2005, 54, 169-180. | 2.3 | 35 |
| 42 | Continuous-time controller redesign for digital implementation: A trajectory based approach. Automatica, 2008, 44, 225-232. | 5.0 | 35 |
| 43 | Exponential sensitivity and turnpike analysis for linear quadratic optimal control of general evolution equations. Journal of Differential Equations, 2020, 268, 7311-7341. | 2.2 | 34 |
| 44 | ISS-Lyapunov Functions for Discontinuous Discrete-Time Systems. IEEE Transactions on Automatic Control, 2014, 59, 3098-3103. | 5.7 | 33 |
| 45 | Feedback, dynamics, and optimal control in climate economics. Annual Reviews in Control, 2019, 47, 7-20. | 7.9 | 33 |
| 46 | The Role of Sampling for Stability and Performance in Unconstrained Nonlinear Model Predictive Control. SIAM Journal on Control and Optimization, 2014, 52, 581-605. | 2.1 | 32 |
| 47 | Asymptotic Controllability and Exponential Stabilization of Nonlinear Control Systems at Singular Points. SIAM Journal on Control and Optimization, 1998, 36, 1485-1503. | 2.1 | 31 |
| 48 | Numerical Stabilization of Bilinear Control Systems. SIAM Journal on Control and Optimization, 1996, 34, 2024-2050. | 2.1 | 30 |
| 49 | Practical NMPC suboptimality estimates along trajectories. Systems and Control Letters, 2009, 58, 161-168. | 2.3 | 29 |
| 50 | Approximation Properties of Receding Horizon Optimal Control. Deutsche Mathematiker Vereinigung Jahresbericht, 2016, 118, 3-37. | 1.1 | 26 |
| 51 | Nonconservative Discrete-Time ISS Small-Gain Conditions for Closed Sets. IEEE Transactions on Automatic Control, 2018, 63, 1231-1242. | 5.7 | 25 |
| 52 | Sensitivity Analysis of Optimal Control for a Class of Parabolic PDEs Motivated by Model Predictive Control. SIAM Journal on Control and Optimization, 2019, 57, 2753-2774. | 2.1 | 25 |
| 53 | Model Predictive Control, Cost Controllability, and Homogeneity. SIAM Journal on Control and Optimization, 2020, 58, 2979-2996. | 2.1 | 25 |
| 54 | Growth and Climate Change: Threshold and Multiple Equilibria. Dynamic Modeling and Econometrics in Economics and Finance, 2010, , 63-78. | 0.5 | 25 |

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|---|---------|----|-----------|
| 55 | Distributed and boundary model predictive control for the heat equation. GAMM Mitteilungen, 2012, 35, 131-145. | 5.5 | 24 |
| 56 | Numerical Approximation of the Maximal Solutions for a Class of Degenerate Hamilton-Jacobi Equations. SIAM Journal on Numerical Analysis, 2000, 38, 1540-1560. | 2.3 | 23 |
| 57 | Stabilization of strictly dissipative discrete time systems with discounted optimal control. Automatica, 2018, 93, 311-320. | 5.0 | 23 |
| 58 | Error estimation and adaptive discretization for the discrete stochastic Hamilton?Jacobi?Bellman equation. Numerische Mathematik, 2004, 99, 85-112. | 1.9 | 22 |
| 59 | A Uniform Exponential Spectrum for Linear Flows on Vector Bundles. Journal of Dynamics and Differential Equations, 2000, 12, 435-448. | 1.9 | 20 |
| 60 | An algorithm for event-based optimal feedback control. , 2009, , . | | 20 |
| 61 | Closed-loop performance analysis for economic model predictive control of time-varying systems. , 2017, , . | | 18 |
| 62 | Adaptive spline interpolation for Hamilton–Jacobi–Bellman equations. Applied Numerical Mathematics, 2006, 56, 1196-1210. | 2.1 | 17 |
| 63 | Economic model predictive control for time–varying system: Performance and stability results. Optimal Control Applications and Methods, 2020, 41, 42-64. | 2.1 | 17 |
| 64 | Robustness of performance and stability for multistep and updated multistep MPC schemes. Discrete and Continuous Dynamical Systems, 2015, 35, 4385-4414. | 0.9 | 17 |
| 65 | Attraction Rates, Robustness, and Discretization of Attractors. SIAM Journal on Numerical Analysis, 2003, 41, 2096-2113. | 2.3 | 16 |
| 66 | Approximately optimal nonlinear stabilization with preservation of the Lyapunov function property. , 2007, , . | | 16 |
| 67 | Lyapunov's second method for nonautonomous differential equations. Discrete and Continuous Dynamical Systems, 2007, 18, 375-403. | 0.9 | 16 |
| 68 | On the relation between turnpike properties and dissipativity for continuous time linear quadratic optimal control problems. Mathematical Control and Related Fields, 2021, 11, 169-188. | 1.1 | 16 |
| 69 | Value iteration convergence of $epsilon$-monotone schemes for stationary Hamilton-Jacobi equations. Discrete and Continuous Dynamical Systems, 2015, 35, 4041-4070. | 0.9 | 16 |
| 70 | Turnpike properties in optimal control. Handbook of Numerical Analysis, 2022, , 367-400. | 1.8 | 16 |
| 71 | On the Relation Between Turnpike Properties for Finite and Infinite Horizon Optimal Control Problems. Journal of Optimization Theory and Applications, 2017, 173, 727-745. | 1.5 | 14 |
| 72 | Feedback design using nonsmooth control Lyapunov functions: A numerical case study for the nonholonomic integrator. , 2017, , . | | 14 |

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| 73 | Feedback stabilization methods for the numerical solution of ordinary differential equations. Discrete and Continuous Dynamical Systems - Series B, 2011, 16, 283-317. | 0.9 | 14 |
| 74 | Dynamic Consumption and Portfolio Decisions with Time Varying Asset Returns. Journal of Wealth Management, 2009, 12, 21-47. | 0.8 | 13 |
| 75 | Two Complementary Approaches to Event-based ControlZwei komplementäre Zugänge zur ereignisbasierten Regelung. Automatisierungstechnik, 2010, 58, 173-182. | 0.8 | 13 |
| 76 | Optimal camera placement to measure distances regarding static and dynamic obstacles. International Journal of Sensor Networks, 2012, 12, 25. | 0.4 | 13 |
| 77 | Creditworthiness and thresholds in a credit market model with multiple equilibria. Economic Theory, 2005, 25, 287. | 0.9 | 12 |
| 78 | Receding horizon optimal control for the wave equation. , 2010, , . | | 12 |
| 79 | A Lyapunov function for economic MPC without terminal conditions. , 2014, , . | | 12 |
| 80 | On non-averaged performance of economic MPC with terminal conditions. , 2015, , . | | 12 |
| 81 | Higher order numerical approximation of switching systems. Systems and Control Letters, 2006, 55, 746-754. | 2.3 | 11 |
| 82 | Entrainment in the master equation. Royal Society Open Science, 2018, 5, 172157. | 2.4 | 11 |
| 83 | Strict Dissipativity Implies Turnpike Behavior for Time-Varying Discrete Time Optimal Control Problems. Lecture Notes in Economics and Mathematical Systems, 2018, , 195-218. | 0.3 | 11 |
| 84 | Input-to-state stability of exponentially stabilized semilinear control systems with inhomogeneous perturbations. Systems and Control Letters, 1999, 38, 27-35. | 2.3 | 10 |
| 85 | Asset pricing with dynamic programming. Computational Economics, 2007, 29, 233-265. | 2.6 | 10 |
| 86 | Simultaneously long short trading in discrete and continuous time. Systems and Control Letters, 2017, 99, 85-89. | 2.3 | 10 |
| 87 | Characterizing attraction probabilities via the stochastic Zubov equation. Discrete and Continuous Dynamical Systems - Series B, 2003, 3, 457-468. | 0.9 | 10 |
| 88 | Multiobjective model predictive control for stabilizing cost criteria. Discrete and Continuous Dynamical Systems - Series B, 2019, 24, 3905-3928. | 0.9 | 10 |
| 89 | Using Nonlinear Model Predictive Control for Dynamic Decision Problems In Economics. SSRN Electronic Journal, 2013, , . | 0.4 | 9 |
| 90 | Distributed Control of Residential Energy Systems using a Market Maker. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11641-11646. | 0.4 | 9 |

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| 91 | Zubov's equation for state-constrained perturbed nonlinear systems. Mathematical Control and Related Fields, 2015, 5, 55-71. | 1.1 | 9 |
| 92 | On the Relation Between Detectability and Strict Dissipativity for Nonlinear Discrete Time Systems. , 2019, 3, 458-462. | | 9 |
| 93 | Approximate computation of storage functions for discrete-time systems using sum-of-squares techniques. IFAC-PapersOnLine, 2019, 52, 508-513. | 0.9 | 9 |
| 94 | STABILIZATION OF CONTROLLED DIFFUSIONS AND ZUBOV'S METHOD. Stochastics and Dynamics, 2006, 06, 373-393. | 1.2 | 8 |
| 95 | Optimal invariance via receding horizon control. , 2011, , . | | 8 |
| 96 | On a discounted notion of strict dissipativity**C.M. Kellett and L. Grüne are supported by Australian Research Council Discovery Project DP160102138. L. Grüne is supported by the Deutsche Forschungsgemeinschaft, Grant GR 1569/13-1. The paper was written while L. Grüne was visiting the University of Newcastle.. IFAC-PapersOnLine, 2016, 49, 247-252. | 0.9 | 8 |
| 97 | Multiobjective Model Predictive Control of a Parabolic Advection-Diffusion-Reaction Equation. Mathematics, 2020, 8, 777. | 2.2 | 8 |
| 98 | Abstract nonlinear sensitivity and turnpike analysis and an application to semilinear parabolic PDEs. ESAIM - Control, Optimisation and Calculus of Variations, 2021, 27, 56. | 1.3 | 8 |
| 99 | Feedback stabilization of discrete-time homogeneous semi-linear systems. Systems and Control Letters, 1999, 37, 19-30. | 2.3 | 7 |
| 100 | Convergence Rates of Perturbed Attracting Sets with Vanishing Perturbation. Journal of Mathematical Analysis and Applications, 2000, 244, 369-392. | 1.0 | 7 |
| 101 | Differential Games and Zubov's Method. SIAM Journal on Control and Optimization, 2011, 49, 2349-2377. | 2.1 | 7 |
| 102 | Economic model predictive control without terminal constraints: Optimal periodic operation. , 2015, , . | | 7 |
| 103 | Control of discrete-time nonlinear systems via finite-step control Lyapunov functions. Systems and Control Letters, 2020, 138, 104631. | 2.3 | 7 |
| 104 | Model predictive fast charging control by means of a real-time discrete electrochemical model. Journal of Energy Storage, 2021, 42, 103056. | 8.1 | 7 |
| 105 | Computation of local ISS Lyapunov functions with low gains via linear programming. Discrete and Continuous Dynamical Systems - Series B, 2015, 20, 2477-2495. | 0.9 | 7 |
| 106 | Efficient Model Predictive Control for Parabolic PDEs with Goal Oriented Error Estimation. SIAM Journal of Scientific Computing, 2022, 44, A471-A500. | 2.8 | 7 |
| 107 | Subdivision Techniques for the Computation of Domains of Attractions and Reachable Sets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 729-734. | 0.4 | 6 |
| 108 | Persistence of attractors for one-step discretization of ordinary differential equations. IMA Journal of Numerical Analysis, 2001, 21, 751-767. | 2.9 | 6 |

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| 109 | Quantitative Aspects of the Input-to-State-Stability Property. Lecture Notes in Control and Information Sciences, 0, , 215-230. | 1.0 | 6 |
| 110 | An invariance kernel representation of ISDS Lyapunov functions. Systems and Control Letters, 2006, 55, 736-745. | 2.3 | 6 |
| 111 | Redesign Techniques for Nonlinear Sampled-data Systems (Entwurfstechniken für nichtlineare) Tj ETQq1 1 0.784314 rgBT /Overloc | 0.8 | 6 |
| 112 | Set Oriented Construction of Globally Optimal ControllersMengenorientierte Konstruktion global optimaler Regler. Automatisierungstechnik, 2009, 57, 287-295. | 0.8 | 6 |
| 113 | Economic Growth and the Transition from Non-Renewable to Renewable Energy. SSRN Electronic Journal, 0, , . | 0.4 | 6 |
| 114 | On Approximating Contractive Systems. IEEE Transactions on Automatic Control, 2017, 62, 6451-6457. | 5.7 | 6 |
| 115 | Performance guarantees for multiobjective model predictive control. , 2017, , . | | 6 |
| 116 | A Simulation Study on Turnpikes in Stochastic LQ Optimal Control. IFAC-PapersOnLine, 2021, 54, 516-521. | 0.9 | 6 |
| 117 | Numerical ISS controller design via a dynamic game approach. , 2013, , . | | 5 |
| 118 | Predictive control of a Smart Grid: A distributed optimization algorithm with centralized performance properties. , 2015, , . | | 5 |
| 119 | Zubov's method for controlled diffusions with state constraints. Nonlinear Differential Equations and Applications, 2015, 22, 1765-1799. | 0.8 | 5 |
| 120 | L2-Tracking of Gaussian Distributions via Model Predictive Control for the Fokker–Planck Equation. Vietnam Journal of Mathematics, 2018, 46, 915-948. | 0.8 | 5 |
| 121 | Strict dissipativity for discrete time discounted optimal control problems. Mathematical Control and Related Fields, 2021, 11, 771. | 1.1 | 5 |
| 122 | Towards a solution of mean-field control problems using model predictive control. IFAC-PapersOnLine, 2020, 53, 4973-4978. | 0.9 | 5 |
| 123 | On the rate of convergence of infinite horizon discounted optimal value functions. Nonlinear Analysis: Real World Applications, 2000, 1, 499-515. | 1.7 | 4 |
| 124 | Computing stability and performance bounds for unconstrained NMPC schemes. , 2007, , . | | 4 |
| 125 | Input‐to‐state stability, numerical dynamics and sampled‐data control. GAMM Mitteilungen, 2008, 31, 94-114. | 5.5 | 4 |
| 126 | Unconstrained nonlinear MPC: Performance estimates for sampled-data systems with zero order hold. , 2015, , . | | 4 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 127 | On the relation between dissipativity and discounted dissipativity. , 2017, , . | | 4 |
| 128 | Complete Instability of Differential Inclusions using Lyapunov Methods. , 2018, , . | | 4 |
| 129 | Local Turnpike Analysis Using Local Dissipativity for Discrete Time Discounted Optimal Control. Applied Mathematics and Optimization, 2021, 84, 1585-1606. | 1.6 | 4 |
| 130 | Fluctuation of Firm Size in the Long-Run and Bimodal Distribution. Advances in Operations Research, 2011, 2011, 1-21. | 0.4 | 3 |
| 131 | Numerical Verification of Turnpike and Continuity Properties for Time-Varying PDEs. IFAC-PapersOnLine, 2019, 52, 7-12. | 0.9 | 3 |
| 132 | Model Predictive Control of Residential Energy Systems Using Energy Storage and Controllable Loads. Mathematics in Industry, 2016, , 617-623. | 0.3 | 3 |
| 133 | Construction of lyapunov functions on the domain of asymptotic nullcontrollability: Numerics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 715-720. | 0.4 | 2 |
| 134 | Worst case vs. average performance estimates for unconstrained NMPC schemes. Proceedings in Applied Mathematics and Mechanics, 2010, 10, 607-608. | 0.2 | 2 |
| 135 | Analysis of unconstrained nonlinear MPC schemes with time varying control horizon. , 2012, , . | | 2 |
| 136 | Ensuring stability in networked systems with nonlinear MPC for continuous time systems. , 2012, , . | | 2 |
| 137 | Performance estimates for economic model predictive control and their application in proper orthogonal decomposition-based implementations. Mathematical Control and Related Fields, 2021, 11, 579. | 1.1 | 2 |
| 138 | Predictive Planning and Systematic Action—On the Control of Technical Processes. , 2010, , 9-37. | | 2 |
| 139 | Numerical Optimal Control of Nonlinear Systems. Communications and Control Engineering, 2017, , 367-434. | 1.6 | 2 |
| 140 | Numerical Construction of Nonsmooth Control Lyapunov Functions. Lecture Notes in Mathematics, 2018, , 343-373. | 0.2 | 2 |
| 141 | Numerical Optimal Control of Nonlinear Systems. Communications and Control Engineering, 2011, , 275-339. | 1.6 | 1 |
| 142 | Computation of local ISS Lyapunov functions for discrete-time systems via linear programming. Journal of Mathematical Analysis and Applications, 2016, 438, 701-719. | 1.0 | 1 |
| 143 | A double-sided dynamic programming approach to the minimum time problem and its numerical approximation. Applied Numerical Mathematics, 2017, 121, 68-81. | 2.1 | 1 |
| 144 | Noncooperative Model Predictive Control for Affine–Quadratic Games. Proceedings in Applied Mathematics and Mechanics, 2018, 18, e201800036. | 0.2 | 1 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 145 | Synthesis of control Lyapunov functions and stabilizing feedback strategies using exit–time optimal control Part I: Theory. Optimal Control Applications and Methods, 2021, 42, 1385-1409. | 2.1 | 1 |
| 146 | Synthesis of control Lyapunov functions and stabilizing feedback strategies using exit–time optimal control Part II: Numerical approach. Optimal Control Applications and Methods, 2021, 42, 1410-1440. | 2.1 | 1 |
| 147 | Parallelized POD-based suboptimal economic model predictive control of a state-constrained Boussinesq approximation. Computers and Mathematics With Applications, 2021, , . | 2.7 | 1 |
| 148 | Optimization Based Stabilization of Nonlinear Control Systems. Lecture Notes in Computer Science, 2008, , 52-65. | 1.3 | 1 |
| 149 | Stability and Suboptimality Without Stabilizing Terminal Conditions. Communications and Control Engineering, 2017, , 121-176. | 1.6 | 1 |
| 150 | Variants and Extensions. Communications and Control Engineering, 2017, , 297-342. | 1.6 | 1 |
| 151 | Verteilte Optimierung: Anwendungen in der Modellprädiktiven Regelung. Automatisierungstechnik, 2018, 66, 939-949. | 0.8 | 1 |
| 152 | ROBUST ASYMPTOTIC CONTROLLABILITY UNDER TIME-VARYING PERTURBATIONS. Stochastics and Dynamics, 2004, 04, 297-316. | 1.2 | 0 |
| 153 | NONLINEAR SAMPLED DATA CONTROLLER REDESIGN VIA LYAPUNOV FUNCTIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 862-867. | 0.4 | 0 |
| 154 | An efficient algorithm for perturbed shortest path problems. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1025003-1025004. | 0.2 | 0 |
| 155 | Feedback Stabilization Methods for the Numerical Solution of Systems of Ordinary Differential Equations. , 2009, , . | | 0 |
| 156 | Introduction to Peter Kloeden's Special Issue. Journal of Difference Equations and Applications, 2010, 16, 125-126. | 1.1 | 0 |
| 157 | Digital vernetzte Regelungssysteme. Automatisierungstechnik, 2010, 58, 171-172. | 0.8 | 0 |
| 158 | Variants and Extensions. Communications and Control Engineering, 2011, , 165-210. | 1.6 | 0 |
| 159 | Feasibility and Robustness. Communications and Control Engineering, 2011, , 211-250. | 1.6 | 0 |
| 160 | Numerical Discretization. Communications and Control Engineering, 2011, , 251-273. | 1.6 | 0 |
| 161 | Construction of event-based ISS controllers on coarse quantizations. , 2014, , . | | 0 |
| 162 | Editorial: Special Issue "Control theory for digitally networked dynamical systems". ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2014, 94, 276-276. | 1.6 | 0 |

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| 163 | Nonlinear MPC: the Impact of Sampling on Closed Loop Stability. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 911-912. | 0.2 | 0 |
| 164 | ZUBOV'S METHOD FOR STOCHASTIC CONTROL SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 259-264. | 0.4 | 0 |
| 165 | Numerical event-based ISS controller design via a dynamic game approach. Journal of Computational Dynamics, 2015, 2, 65-81. | 1.1 | 0 |
| 166 | Stability and Suboptimality Using Stabilizing Terminal Conditions. Communications and Control Engineering, 2017, , 91-119. | 1.6 | 0 |
| 167 | Feasibility and Robustness. Communications and Control Engineering, 2017, , 177-219. | 1.6 | 0 |
| 168 | Economic NMPC. Communications and Control Engineering, 2017, , 221-258. | 1.6 | 0 |
| 169 | Numerical Discretization. Communications and Control Engineering, 2017, , 343-366. | 1.6 | 0 |
| 170 | Distributed NMPC. Communications and Control Engineering, 2017, , 259-295. | 1.6 | 0 |
| 171 | Strict dissipativity analysis for classes of optimal control problems involving probability density functions. Mathematical Control and Related Fields, 2021, 11, 935. | 1.1 | 0 |
| 172 | From Bellman to Dijkstra: Set-Oriented Construction of Globally Optimal Controllers. Studies in Systems, Decision and Control, 2020, , 265-294. | 1.0 | 0 |
| 173 | Conditions for strict dissipativity of infinite-dimensional generalized linear-quadratic problems. IFAC-PapersOnLine, 2021, 54, 302-306. | 0.9 | 0 |
| 174 | Inferring the adjoint turnpike property from the primal turnpike property. , 2021, , . | | 0 |