

# Lars Grne

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

176  
papers

3,622  
citations

32  
h-index

55  
g-index

187  
ext. papers

4,439  
ext. citations

1.7  
avg, IF

6.28  
L-index

#	Paper	IF	Citations
176	Nonlinear Model Predictive Control. <i>Communications and Control Engineering</i> , <b>2011</b> ,	0.6	333
175	Economic receding horizon control without terminal constraints. <i>Automatica</i> , <b>2013</b> , 49, 725-734	5.7	232
174	Nonlinear Model Predictive Control. <i>Communications and Control Engineering</i> , <b>2017</b> ,	0.6	138
173	. <i>IEEE Transactions on Smart Grid</i> , <b>2015</b> , 6, 1914-1923	10.7	129
172	Lyapunov-based continuous-time nonlinear controller redesign for sampled-data implementation. <i>Automatica</i> , <b>2005</b> , 41, 1143-1156	5.7	110
171	Analysis and Design of Unconstrained Nonlinear MPC Schemes for Finite and Infinite Dimensional Systems. <i>SIAM Journal on Control and Optimization</i> , <b>2009</b> , 48, 1206-1228	1.9	108
170	On the Infinite Horizon Performance of Receding Horizon Controllers. <i>IEEE Transactions on Automatic Control</i> , <b>2008</b> , 53, 2100-2111	5.9	107
169	Homogeneous State Feedback Stabilization of Homogenous Systems. <i>SIAM Journal on Control and Optimization</i> , <b>2000</b> , 38, 1288-1308	1.9	90
168	Analysis of Unconstrained Nonlinear MPC Schemes with Time Varying Control Horizon. <i>SIAM Journal on Control and Optimization</i> , <b>2010</b> , 48, 4938-4962	1.9	84
167	An adaptive grid scheme for the discrete Hamilton-Jacobi-Bellman equation. <i>Numerische Mathematik</i> , <b>1997</b> , 75, 319-337	2.2	81
166	Using dynamic programming with adaptive grid scheme for optimal control problems in economics. <i>Journal of Economic Dynamics and Control</i> , <b>2004</b> , 28, 2427-2456	1.3	77
165	An Exponential Turnpike Theorem for Dissipative Discrete Time Optimal Control Problems. <i>SIAM Journal on Control and Optimization</i> , <b>2014</b> , 52, 1935-1957	1.9	72
164	Asymptotic stability and transient optimality of economic MPC without terminal conditions. <i>Journal of Process Control</i> , <b>2014</b> , 24, 1187-1196	3.9	72
163	Optimization-Based Stabilization of Sampled-Data Nonlinear Systems via Their Approximate Discrete-Time Models. <i>SIAM Journal on Control and Optimization</i> , <b>2003</b> , 42, 98-122	1.9	69
162	Stability and feasibility of state constrained MPC without stabilizing terminal constraints. <i>Systems and Control Letters</i> , <b>2014</b> , 72, 14-21	2.4	67
161	Using nonlinear model predictive control for dynamic decision problems in economics. <i>Journal of Economic Dynamics and Control</i> , <b>2015</b> , 60, 112-133	1.3	64
160	On the relation between strict dissipativity and turnpike properties. <i>Systems and Control Letters</i> , <b>2016</b> , 90, 45-53	2.4	62

159	Economic model predictive control without terminal constraints for optimal periodic behavior. <i>Automatica</i> , <b>2016</b> , 70, 128-139	5.7	60
158	Nonlinear Model Predictive Control. <i>Communications and Control Engineering</i> , <b>2011</b> , 43-66	0.6	59
157	Asymptotic stability equals exponential stability, and ISS equals finite energy gain if you twist your eyes. <i>Systems and Control Letters</i> , <b>1999</b> , 38, 127-134	2.4	57
156	Nonlinear Model Predictive Control. <i>Communications and Control Engineering</i> , <b>2017</b> , 45-69	0.6	57
155	Asymptotic Behavior of Dynamical and Control Systems under Perturbation and Discretization. <i>Lecture Notes in Mathematics</i> , <b>2002</b> ,	0.4	53
154	NMPC without terminal constraints. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 1-13		46
153	A Generalization of Zubov's Method to Perturbed Systems. <i>SIAM Journal on Control and Optimization</i> , <b>2001</b> , 40, 496-515	1.9	46
152	Economic Nonlinear Model Predictive Control. <i>Foundations and Trends in Systems and Control</i> , <b>2018</b> , 5, 224-409	4	45
151	Periodic Optimal Control, Dissipativity and MPC. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 2943-2949	3.9	43
150	A receding horizon control approach to sampled-data implementation of continuous-time controllers. <i>Systems and Control Letters</i> , <b>2006</b> , 55, 660-672	2.4	38
149	Asset pricing with loss aversion. <i>Journal of Economic Dynamics and Control</i> , <b>2008</b> , 32, 3253-3274	1.3	36
148	Linear programming based Lyapunov function computation for differential inclusions. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2012</b> , 17, 33-56	1.3	36
147	. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 3898-3911	5.9	35
146	Pathwise Approximation of Random Ordinary Differential Equations. <i>BIT Numerical Mathematics</i> , <b>2001</b> , 41, 711-721	1.7	35
145	Global Optimal Control of Perturbed Systems. <i>Journal of Optimization Theory and Applications</i> , <b>2008</b> , 136, 411-429	1.6	33
144	Control Lyapunov Functions and Zubov's Method. <i>SIAM Journal on Control and Optimization</i> , <b>2008</b> , 47, 301-326	1.9	31
143	A set oriented approach to optimal feedback stabilization. <i>Systems and Control Letters</i> , <b>2005</b> , 54, 169-180.	0.4	31
142	On the Relation between Discounted and Average Optimal Value Functions. <i>Journal of Differential Equations</i> , <b>1998</b> , 148, 65-99	2.1	29

141	The Role of Sampling for Stability and Performance in Unconstrained Nonlinear Model Predictive Control. <i>SIAM Journal on Control and Optimization</i> , <b>2014</b> , 52, 581-605	1.9	27
140	Asymptotic Controllability and Exponential Stabilization of Nonlinear Control Systems at Singular Points. <i>SIAM Journal on Control and Optimization</i> , <b>1998</b> , 36, 1485-1503	1.9	27
139	Turnpike Properties and Strict Dissipativity for Discrete Time Linear Quadratic Optimal Control Problems. <i>SIAM Journal on Control and Optimization</i> , <b>2018</b> , 56, 1282-1302	1.9	26
138	Hierarchical distributed ADMM for predictive control with applications in power networks. <i>IFAC Journal of Systems and Control</i> , <b>2018</b> , 3, 10-22	0.9	25
137	On the role of dissipativity in economic model predictive control. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 110-116	0.7	25
136	Continuous-time controller redesign for digital implementation: A trajectory based approach. <i>Automatica</i> , <b>2008</b> , 44, 225-232	5.7	25
135	Approximation Properties of Receding Horizon Optimal Control. <i>Deutsche Mathematiker Vereinigung Jahresbericht</i> , <b>2016</b> , 118, 3-37	2.2	23
134	ISS-Lyapunov Functions for Discontinuous Discrete-Time Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2014</b> , 59, 3098-3103	5.9	23
133	Practical NMPC suboptimality estimates along trajectories. <i>Systems and Control Letters</i> , <b>2009</b> , 58, 161-168	2.4	23
132	Comparing accuracy of second-order approximation and dynamic programming. <i>Computational Economics</i> , <b>2007</b> , 30, 65-91	1.4	22
131	Exponential sensitivity and turnpike analysis for linear quadratic optimal control of general evolution equations. <i>Journal of Differential Equations</i> , <b>2020</b> , 268, 7311-7341	2.1	22
130	Stabilization with discounted optimal control. <i>Systems and Control Letters</i> , <b>2015</b> , 82, 91-98	2.4	21
129	Numerical Stabilization of Bilinear Control Systems. <i>SIAM Journal on Control and Optimization</i> , <b>1996</b> , 34, 2024-2050	1.9	20
128	Sensitivity Analysis of Optimal Control for a Class of Parabolic PDEs Motivated by Model Predictive Control. <i>SIAM Journal on Control and Optimization</i> , <b>2019</b> , 57, 2753-2774	1.9	19
127	Nonconservative Discrete-Time ISS Small-Gain Conditions for Closed Sets. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 1231-1242	5.9	19
126	Error estimation and adaptive discretization for the discrete stochastic Hamilton-Jacobi-Bellman equation. <i>Numerische Mathematik</i> , <b>2004</b> , 99, 85-112	2.2	18
125	Numerical Approximation of the Maximal Solutions for a Class of Degenerate Hamilton-Jacobi Equations. <i>SIAM Journal on Numerical Analysis</i> , <b>2000</b> , 38, 1540-1560	2.4	18
124	Stabilization of strictly dissipative discrete time systems with discounted optimal control. <i>Automatica</i> , <b>2018</b> , 93, 311-320	5.7	16

123	Lyapunov's second method for nonautonomous differential equations. <i>Discrete and Continuous Dynamical Systems</i> , <b>2007</b> , 18, 375-403	2	16
122	A Uniform Exponential Spectrum for Linear Flows on Vector Bundles. <i>Journal of Dynamics and Differential Equations</i> , <b>2000</b> , 12, 435-448	1.3	16
121	Closed-loop performance analysis for economic model predictive control of time-varying systems <b>2017</b> ,		15
120	Solving ecological management problems using dynamic programming. <i>Journal of Economic Behavior and Organization</i> , <b>2005</b> , 57, 448-473	1.6	15
119	Distributed and boundary model predictive control for the heat equation. <i>GAMM Mitteilungen</i> , <b>2012</b> , 35, 131-145	1.8	14
118	An algorithm for event-based optimal feedback control <b>2009</b> ,		14
117	Robustness of performance and stability for multistep and updated multistep MPC schemes. <i>Discrete and Continuous Dynamical Systems</i> , <b>2015</b> , 35, 4385-4414	2	14
116	Value iteration convergence of $\epsilon$ -monotone schemes for stationary Hamilton-Jacobi equations. <i>Discrete and Continuous Dynamical Systems</i> , <b>2015</b> , 35, 4041-4070	2	13
115	A Lyapunov function for economic MPC without terminal conditions <b>2014</b> ,		12
114	Two Complementary Approaches to Event-based Control Zwei komplementäre Zugänge zur ereignisbasierten Regelung. <i>Automatisierungstechnik</i> , <b>2010</b> , 58, 173-182	0.8	12
113	Optimal camera placement to measure distances regarding static and dynamic obstacles. <i>International Journal of Sensor Networks</i> , <b>2012</b> , 12, 25	0.8	12
112	Attraction Rates, Robustness, and Discretization of Attractors. <i>SIAM Journal on Numerical Analysis</i> , <b>2003</b> , 41, 2096-2113	2.4	12
111	Feedback stabilization methods for the numerical solution of ordinary differential equations. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2011</b> , 16, 283-317	1.3	12
110	Dynamic Consumption and Portfolio Decisions with Time Varying Asset Returns. <i>Journal of Wealth Management</i> , <b>2009</b> , 12, 21-47	0.5	11
109	Approximately optimal nonlinear stabilization with preservation of the Lyapunov function property <b>2007</b> ,		11
108	Adaptive spline interpolation for Hamilton-Jacobi-Bellman equations. <i>Applied Numerical Mathematics</i> , <b>2006</b> , 56, 1196-1210	2.5	11
107	Feedback design using nonsmooth control Lyapunov functions: A numerical case study for the nonholonomic integrator <b>2017</b> ,		10
106	Growth and Climate Change: Threshold and Multiple Equilibria. <i>Dynamic Modeling and Econometrics in Economics and Finance</i> , <b>2010</b> , 63-78		10

105	Economic model predictive control for time-varying system: Performance and stability results. <i>Optimal Control Applications and Methods</i> , <b>2020</b> , 41, 42-64	1.7	10
104	On the Relation Between Turnpike Properties for Finite and Infinite Horizon Optimal Control Problems. <i>Journal of Optimization Theory and Applications</i> , <b>2017</b> , 173, 727-745	1.6	9
103	Feedback, dynamics, and optimal control in climate economics. <i>Annual Reviews in Control</i> , <b>2019</b> , 47, 7-20	10.3	9
102	On non-averaged performance of economic MPC with terminal conditions <b>2015</b> ,		9
101	Receding horizon optimal control for the wave equation <b>2010</b> ,		9
100	Characterizing attraction probabilities via the stochastic Zubov equation. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2003</b> , 3, 457-468	1.3	9
99	Model Predictive Control, Cost Controllability, and Homogeneity. <i>SIAM Journal on Control and Optimization</i> , <b>2020</b> , 58, 2979-2996	1.9	9
98	Entrainment in the master equation. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 172157	3.3	9
97	Simultaneously long short trading in discrete and continuous time. <i>Systems and Control Letters</i> , <b>2017</b> , 99, 85-89	2.4	8
96	Optimal invariance via receding horizon control <b>2011</b> ,		8
95	Asset pricing with dynamic programming. <i>Computational Economics</i> , <b>2007</b> , 29, 233-265	1.4	8
94	Higher order numerical approximation of switching systems. <i>Systems and Control Letters</i> , <b>2006</b> , 55, 746-754		8
93	Strict Dissipativity Implies Turnpike Behavior for Time-Varying Discrete Time Optimal Control Problems. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>2018</b> , 195-218	0.4	8
92	Stabilization by sampled and discrete feedback with positive sampling rate. <i>Lecture Notes in Control and Information Sciences</i> , <b>1999</b> , 165-182	0.5	8
91	Zubov's equation for state-constrained perturbed nonlinear systems. <i>Mathematical Control and Related Fields</i> , <b>2015</b> , 5, 55-71	1.5	7
90	Economic model predictive control without terminal constraints: Optimal periodic operation <b>2015</b> ,		7
89	On Approximating Contractive Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 6451-6457	5.9	6
88	Distributed Control of Residential Energy Systems using a Market Maker. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 11641-11646		6

87	Using Nonlinear Model Predictive Control for Dynamic Decision Problems In Economics. <i>SSRN Electronic Journal</i> , <b>2013</b> ,	1	6
86	Differential Games and Zubov's Method. <i>SIAM Journal on Control and Optimization</i> , <b>2011</b> , 49, 2349-2377	1.9	6
85	STABILIZATION OF CONTROLLED DIFFUSIONS AND ZUBOV'S METHOD. <i>Stochastics and Dynamics</i> , <b>2006</b> , 06, 373-393	0.8	6
84	An invariance kernel representation of ISDS Lyapunov functions. <i>Systems and Control Letters</i> , <b>2006</b> , 55, 736-745	2.4	6
83	Creditworthiness and thresholds in a credit market model with multiple equilibria. <i>Economic Theory</i> , <b>2005</b> , 25, 287	1.2	6
82	Feedback stabilization of discrete-time homogeneous semi-linear systems. <i>Systems and Control Letters</i> , <b>1999</b> , 37, 19-30	2.4	6
81	Input-to-state stability of exponentially stabilized semilinear control systems with inhomogeneous perturbations. <i>Systems and Control Letters</i> , <b>1999</b> , 38, 27-35	2.4	6
80	Computation of local ISS Lyapunov functions with low gains via linear programming. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2015</b> , 20, 2477-2495	1.3	6
79	Performance guarantees for multiobjective model predictive control <b>2017</b> ,		5
78	Stability and Suboptimality Without Stabilizing Constraints. <i>Communications and Control Engineering</i> , <b>2011</b> , 113-163	0.6	5
77	Redesign Techniques for Nonlinear Sampled-data Systems (Entwurfstechniken für nichtlineare Abtastsysteme). <i>Automatisierungstechnik</i> , <b>2008</b> , 56, 38-48	0.8	5
76	Quantitative Aspects of the Input-to-State-Stability Property. <i>Lecture Notes in Control and Information Sciences</i> , <b>2004</b> , 215-230	0.5	5
75	Multiobjective model predictive control for stabilizing cost criteria. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2019</b> , 24, 3905-3928	1.3	5
74	Approximate computation of storage functions for discrete-time systems using sum-of-squares techniques. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 508-513	0.7	5
73	Abstract nonlinear sensitivity and turnpike analysis and an application to semilinear parabolic PDEs. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , <b>2021</b> , 27, 56	1	5
72	On the relation between dissipativity and discounted dissipativity <b>2017</b> ,		4
71	Economic Growth and the Transition from Non-Renewable to Renewable Energy. <i>SSRN Electronic Journal</i> , <b>2012</b> ,	1	4
70	Numerical ISS controller design via a dynamic game approach <b>2013</b> ,		4

69	Set Oriented Construction of Globally Optimal Controllers Mengenorientierte Konstruktion global optimaler Regler. <i>Automatisierungstechnik</i> , <b>2009</b> , 57, 287-295	0.8	4
68	Input-to-state stability, numerical dynamics and sampled-data control. <i>GAMM Mitteilungen</i> , <b>2008</b> , 31, 94-114	1.8	4
67	Convergence Rates of Perturbed Attracting Sets with Vanishing Perturbation. <i>Journal of Mathematical Analysis and Applications</i> , <b>2000</b> , 244, 369-392	1.1	4
66	On a discounted notion of strict dissipativity**C.M. Kellett and L. GrŦe are supported by Australian Research Council Discovery Project DP160102138. L. GrŦe is supported by the Deutsche Forschungsgemeinschaft, Grant GR 1569/13-1. The paper was written while L. GrŦe was visiting the University of Newcastle. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 247-252	0.7	4
65	On the relation between turnpike properties and dissipativity for continuous time linear quadratic optimal control problems. <i>Mathematical Control and Related Fields</i> , <b>2021</b> , 11, 169-188	1.5	4
64	ZubovŦ method for controlled diffusions with state constraints. <i>Nonlinear Differential Equations and Applications</i> , <b>2015</b> , 22, 1765-1799	0.8	3
63	Predictive control of a Smart Grid: A distributed optimization algorithm with centralized performance properties <b>2015</b> ,		3
62	Infinite Horizon Optimal Control. <i>Communications and Control Engineering</i> , <b>2011</b> , 67-85	0.6	3
61	Fluctuation of Firm Size in the Long-Run and Bimodal Distribution. <i>Advances in Operations Research</i> , <b>2011</b> , 2011, 1-21	1.3	3
60	Computing stability and performance bounds for unconstrained NMPC schemes <b>2007</b> ,		3
59	Persistence of attractors for one-step discretization of ordinary differential equations. <i>IMA Journal of Numerical Analysis</i> , <b>2001</b> , 21, 751-767	1.8	3
58	Model Predictive Control of Residential Energy Systems Using Energy Storage and Controllable Loads. <i>Mathematics in Industry</i> , <b>2016</b> , 617-623	0.2	3
57	Complete Instability of Differential Inclusions using Lyapunov Methods <b>2018</b> ,		3
56	L2-Tracking of Gaussian Distributions via Model Predictive Control for the Fokker-Planck Equation. <i>Vietnam Journal of Mathematics</i> , <b>2018</b> , 46, 915-948	0.5	3
55	Numerical Schemes of Higher Order for a Class of Nonlinear Control Systems. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 213-220	0.9	3
54	Numerical Verification of Turnpike and Continuity Properties for Time-Varying PDEs. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 7-12	0.7	2
53	On the Relation Between Detectability and Strict Dissipativity for Nonlinear Discrete Time Systems <b>2019</b> , 3, 458-462		2
52	Multiobjective Model Predictive Control of a Parabolic Advection-Diffusion-Reaction Equation. <i>Mathematics</i> , <b>2020</b> , 8, 777	2.3	2



51	Control of discrete-time nonlinear systems via finite-step control Lyapunov functions. <i>Systems and Control Letters</i> , <b>2020</b> , 138, 104631	2.4	2
50	Unconstrained nonlinear MPC: Performance estimates for sampled-data systems with zero order hold <b>2015</b> ,		2
49	Worst case vs. average performance estimates for unconstrained NMPC schemes. <i>Proceedings in Applied Mathematics and Mechanics</i> , <b>2010</b> , 10, 607-608	0.2	2
48	Construction of lyapunov functions on the domain of asymptotic nullcontrollability: Numerics. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2004</b> , 37, 715-720		2
47	On the rate of convergence of infinite horizon discounted optimal value functions. <i>Nonlinear Analysis: Real World Applications</i> , <b>2000</b> , 1, 499-515	2.1	2
46	Towards a solution of mean-field control problems using model predictive control. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 4973-4978	0.7	2
45	Strict dissipativity for discrete time discounted optimal control problems. <i>Mathematical Control and Related Fields</i> , <b>2020</b> ,	1.5	2
44	Dynamic Programming, Optimal Control and Model Predictive Control. <i>Control Engineering</i> , <b>2019</b> , 29-52	1	2
43	Computation of local ISS Lyapunov functions for discrete-time systems via linear programming. <i>Journal of Mathematical Analysis and Applications</i> , <b>2016</b> , 438, 701-719	1.1	1
42	Discrete Time and Sampled Data Systems. <i>Communications and Control Engineering</i> , <b>2011</b> , 13-41	0.6	1
41	Numerical Optimal Control of Nonlinear Systems. <i>Communications and Control Engineering</i> , <b>2011</b> , 275-339	0.6	1
40	Ensuring stability in networked systems with nonlinear MPC for continuous time systems <b>2012</b> ,		1
39	Turnpike properties in optimal control. <i>Handbook of Numerical Analysis</i> , <b>2022</b> ,	1	1
38	Numerical Construction of Nonsmooth Control Lyapunov Functions. <i>Lecture Notes in Mathematics</i> , <b>2018</b> , 343-373	0.4	1
37	Verteilte Optimierung: Anwendungen in der Modellprädiktiven Regelung. <i>Automatisierungstechnik</i> , <b>2018</b> , 66, 939-949	0.8	1
36	Optimization Based Stabilization of Nonlinear Control Systems. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 52-65	0.9	1
35	Synthesis of control Lyapunov functions and stabilizing feedback strategies using exit-time optimal control Part I: Theory. <i>Optimal Control Applications and Methods</i> , <b>2021</b> , 42, 1385-1409	1.7	1
34	Performance estimates for economic model predictive control and their application in proper orthogonal decomposition-based implementations. <i>Mathematical Control and Related Fields</i> , <b>2021</b> , 11, 579	1.5	1

33	Noncooperative Model Predictive Control for Affine-Quadratic Games. <i>Proceedings in Applied Mathematics and Mechanics</i> , <b>2018</b> , 18, e201800036	0.2	1
32	Model predictive fast charging control by means of a real-time discrete electrochemical model. <i>Journal of Energy Storage</i> , <b>2021</b> , 42, 103056	7.8	1
31	Efficient Model Predictive Control for Parabolic PDEs with Goal Oriented Error Estimation. <i>SIAM Journal of Scientific Computing</i> , <b>2022</b> , 44, A471-A500	2.6	1
30	A double-sided dynamic programming approach to the minimum time problem and its numerical approximation. <i>Applied Numerical Mathematics</i> , <b>2017</b> , 121, 68-81	2.5	0
29	Numerical Optimal Control of Nonlinear Systems. <i>Communications and Control Engineering</i> , <b>2017</b> , 367-434	4.6	0
28	Stability and Suboptimality Without Stabilizing Terminal Conditions. <i>Communications and Control Engineering</i> , <b>2017</b> , 121-176	0.6	0
27	Local Turnpike Analysis Using Local Dissipativity for Discrete Time Discounted Optimal Control. <i>Applied Mathematics and Optimization</i> , 1	1.5	0
26	A Simulation Study on Turnpikes in Stochastic LQ Optimal Control. <i>IFAC-PapersOnLine</i> , <b>2021</b> , 54, 516-521	10.7	0
25	Nonlinear MPC: the Impact of Sampling on Closed Loop Stability. <i>Proceedings in Applied Mathematics and Mechanics</i> , <b>2014</b> , 14, 911-912	0.2	
24	Stability and Suboptimality Using Stabilizing Constraints. <i>Communications and Control Engineering</i> , <b>2011</b> , 87-112	0.6	
23	Variants and Extensions. <i>Communications and Control Engineering</i> , <b>2011</b> , 165-210	0.6	
22	Feasibility and Robustness. <i>Communications and Control Engineering</i> , <b>2011</b> , 211-250	0.6	
21	Numerical Discretization. <i>Communications and Control Engineering</i> , <b>2011</b> , 251-273	0.6	
20	Digital vernetzte Regelungssysteme. <i>Automatisierungstechnik</i> , <b>2010</b> , 58, 171-172	0.8	
19	An efficient algorithm for perturbed shortest path problems. <i>Proceedings in Applied Mathematics and Mechanics</i> , <b>2007</b> , 7, 1025003-1025004	0.2	
18	ROBUST ASYMPTOTIC CONTROLLABILITY UNDER TIME-VARYING PERTURBATIONS. <i>Stochastics and Dynamics</i> , <b>2004</b> , 04, 297-316	0.8	
17	NONLINEAR SAMPLED DATA CONTROLLER REDESIGN VIA LYAPUNOV FUNCTIONS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 862-867		
16	Subdivision Techniques for the Computation of Domains of Attractions and Reachable Sets. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2001</b> , 34, 729-734		

- 15 Conditions for strict dissipativity of infinite-dimensional generalized linear-quadratic problems. *IFAC-PapersOnLine*, **2021**, 54, 302-306 0.7
- 14 ZUBOV'S METHOD FOR STOCHASTIC CONTROL SYSTEMS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2005**, 38, 259-264
- 13 Strict dissipativity analysis for classes of optimal control problems involving probability density functions. *Mathematical Control and Related Fields*, **2021**, 11, 935 1.5
- 12 From Bellman to Dijkstra: Set-Oriented Construction of Globally Optimal Controllers. *Studies in Systems, Decision and Control*, **2020**, 265-294 0.8
- 11 Numerical event-based ISS controller design via a dynamic game approach. *Journal of Computational Dynamics*, **2015**, 2, 65-81 2.6
- 10 Stability and Suboptimality Using Stabilizing Terminal Conditions. *Communications and Control Engineering*, **2017**, 91-119 0.6
- 9 Feasibility and Robustness. *Communications and Control Engineering*, **2017**, 177-219 0.6
- 8 Economic NMPC. *Communications and Control Engineering*, **2017**, 221-258 0.6
- 7 Numerical Discretization. *Communications and Control Engineering*, **2017**, 343-366 0.6
- 6 Infinite Horizon Optimal Control. *Communications and Control Engineering*, **2017**, 71-90 0.6
- 5 Distributed NMPC. *Communications and Control Engineering*, **2017**, 259-295 0.6
- 4 Discrete Time and Sampled Data Systems. *Communications and Control Engineering*, **2017**, 13-43 0.6
- 3 Variants and Extensions. *Communications and Control Engineering*, **2017**, 297-342 0.6
- 2 Predictive Planning and Systematic Action On the Control of Technical Processes **2010**, 9-37
- 1 Synthesis of control Lyapunov functions and stabilizing feedback strategies using exit-time optimal control PartII: Numerical approach. *Optimal Control Applications and Methods*, **2021**, 42, 1410-1440 1.7