

Lars Grne

List of Publications by Year in Descending Order

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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	Turnpike properties in optimal control. <i>Handbook of Numerical Analysis</i> , 2022 ,	1	1
175	Efficient Model Predictive Control for Parabolic PDEs with Goal Oriented Error Estimation. <i>SIAM Journal of Scientific Computing</i> , 2022 , 44, A471-A500	2.6	1
174	Conditions for strict dissipativity of infinite-dimensional generalized linear-quadratic problems. <i>IFAC-PapersOnLine</i> , 2021 , 54, 302-306	0.7	
173	Strict dissipativity analysis for classes of optimal control problems involving probability density functions. <i>Mathematical Control and Related Fields</i> , 2021 , 11, 935	1.5	
172	Synthesis of control Lyapunov functions and stabilizing feedback strategies using exit-time optimal control PartII: Theory. <i>Optimal Control Applications and Methods</i> , 2021 , 42, 1385-1409	1.7	1
171	Synthesis of control Lyapunov functions and stabilizing feedback strategies using exit-time optimal control PartIII: Numerical approach. <i>Optimal Control Applications and Methods</i> , 2021 , 42, 1410-1440	1.7	
170	A Simulation Study on Turnpikes in Stochastic LQ Optimal Control. <i>IFAC-PapersOnLine</i> , 2021 , 54, 516-521	0.7	0
169	Performance estimates for economic model predictive control and their application in proper orthogonal decomposition-based implementations. <i>Mathematical Control and Related Fields</i> , 2021 , 11, 579	1.5	1
168	Abstract nonlinear sensitivity and turnpike analysis and an application to semilinear parabolic PDEs. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2021 , 27, 56	1	5
167	Model predictive fast charging control by means of a real-time discrete electrochemical model. <i>Journal of Energy Storage</i> , 2021 , 42, 103056	7.8	1
166	On the relation between turnpike properties and dissipativity for continuous time linear quadratic optimal control problems. <i>Mathematical Control and Related Fields</i> , 2021 , 11, 169-188	1.5	4
165	Multiobjective Model Predictive Control of a Parabolic Advection-Diffusion-Reaction Equation. <i>Mathematics</i> , 2020 , 8, 777	2.3	2
164	Control of discrete-time nonlinear systems via finite-step control Lyapunov functions. <i>Systems and Control Letters</i> , 2020 , 138, 104631	2.4	2
163	Towards a solution of mean-field control problems using model predictive control. <i>IFAC-PapersOnLine</i> , 2020 , 53, 4973-4978	0.7	2
162	Strict dissipativity for discrete time discounted optimal control problems. <i>Mathematical Control and Related Fields</i> , 2020 ,	1.5	2
161	From Bellman to Dijkstra: Set-Oriented Construction of Globally Optimal Controllers. <i>Studies in Systems, Decision and Control</i> , 2020 , 265-294	0.8	
160	Exponential sensitivity and turnpike analysis for linear quadratic optimal control of general evolution equations. <i>Journal of Differential Equations</i> , 2020 , 268, 7311-7341	2.1	22

159	Model Predictive Control, Cost Controllability, and Homogeneity. <i>SIAM Journal on Control and Optimization</i> , 2020 , 58, 2979-2996	1.9	9
158	Economic model predictive control for time-varying system: Performance and stability results. <i>Optimal Control Applications and Methods</i> , 2020 , 41, 42-64	1.7	10
157	Numerical Verification of Turnpike and Continuity Properties for Time-Varying PDEs. <i>IFAC-PapersOnLine</i> , 2019 , 52, 7-12	0.7	2
156	Feedback, dynamics, and optimal control in climate economics. <i>Annual Reviews in Control</i> , 2019 , 47, 7-20	10.3	9
155	On the Relation Between Detectability and Strict Dissipativity for Nonlinear Discrete Time Systems 2019 , 3, 458-462		2
154	Sensitivity Analysis of Optimal Control for a Class of Parabolic PDEs Motivated by Model Predictive Control. <i>SIAM Journal on Control and Optimization</i> , 2019 , 57, 2753-2774	1.9	19
153	Multiobjective model predictive control for stabilizing cost criteria. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2019 , 24, 3905-3928	1.3	5
152	Approximate computation of storage functions for discrete-time systems using sum-of-squares techniques. <i>IFAC-PapersOnLine</i> , 2019 , 52, 508-513	0.7	5
151	Dynamic Programming, Optimal Control and Model Predictive Control. <i>Control Engineering</i> , 2019 , 29-52	1	2
150	Turnpike Properties and Strict Dissipativity for Discrete Time Linear Quadratic Optimal Control Problems. <i>SIAM Journal on Control and Optimization</i> , 2018 , 56, 1282-1302	1.9	26
149	Stabilization of strictly dissipative discrete time systems with discounted optimal control. <i>Automatica</i> , 2018 , 93, 311-320	5.7	16
148	Economic Nonlinear Model Predictive Control. <i>Foundations and Trends in Systems and Control</i> , 2018 , 5, 224-409	4	45
147	Hierarchical distributed ADMM for predictive control with applications in power networks. <i>IFAC Journal of Systems and Control</i> , 2018 , 3, 10-22	0.9	25
146	Numerical Construction of Nonsmooth Control Lyapunov Functions. <i>Lecture Notes in Mathematics</i> , 2018 , 343-373	0.4	1
145	Verteilte Optimierung: Anwendungen in der Modellprädiktiven Regelung. <i>Automatisierungstechnik</i> , 2018 , 66, 939-949	0.8	1
144	Strict Dissipativity Implies Turnpike Behavior for Time-Varying Discrete Time Optimal Control Problems. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2018 , 195-218	0.4	8
143	Nonconservative Discrete-Time ISS Small-Gain Conditions for Closed Sets. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 1231-1242	5.9	19
142	Entrainment in the master equation. <i>Royal Society Open Science</i> , 2018 , 5, 172157	3.3	9

141	Complete Instability of Differential Inclusions using Lyapunov Methods 2018 ,		3
140	Noncooperative Model Predictive Control for Affine-Quadratic Games. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2018 , 18, e201800036	0.2	1
139	L2-Tracking of Gaussian Distributions via Model Predictive Control for the Fokker-Planck Equation. <i>Vietnam Journal of Mathematics</i> , 2018 , 46, 915-948	0.5	3
138	On Approximating Contractive Systems. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 6451-6457	5.9	6
137	On the Relation Between Turnpike Properties for Finite and Infinite Horizon Optimal Control Problems. <i>Journal of Optimization Theory and Applications</i> , 2017 , 173, 727-745	1.6	9
136	Simultaneously long short trading in discrete and continuous time. <i>Systems and Control Letters</i> , 2017 , 99, 85-89	2.4	8
135	A double-sided dynamic programming approach to the minimum time problem and its numerical approximation. <i>Applied Numerical Mathematics</i> , 2017 , 121, 68-81	2.5	0
134	Nonlinear Model Predictive Control. <i>Communications and Control Engineering</i> , 2017 ,	0.6	138
133	Periodic Optimal Control, Dissipativity and MPC. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 2943-2949	3.9	43
132	Closed-loop performance analysis for economic model predictive control of time-varying systems 2017 ,		15
131	Feedback design using nonsmooth control Lyapunov functions: A numerical case study for the nonholonomic integrator 2017 ,		10
130	Performance guarantees for multiobjective model predictive control 2017 ,		5
129	On the relation between dissipativity and discounted dissipativity 2017 ,		4
128	Nonlinear Model Predictive Control. <i>Communications and Control Engineering</i> , 2017 , 45-69	0.6	57
127	Stability and Suboptimality Using Stabilizing Terminal Conditions. <i>Communications and Control Engineering</i> , 2017 , 91-119	0.6	
126	Feasibility and Robustness. <i>Communications and Control Engineering</i> , 2017 , 177-219	0.6	
125	Economic NMPC. <i>Communications and Control Engineering</i> , 2017 , 221-258	0.6	
124	Numerical Discretization. <i>Communications and Control Engineering</i> , 2017 , 343-366	0.6	

123	Infinite Horizon Optimal Control. <i>Communications and Control Engineering</i> , 2017 , 71-90	0.6	
122	Numerical Optimal Control of Nonlinear Systems. <i>Communications and Control Engineering</i> , 2017 , 367-434	0.6	0
121	Distributed NMPC. <i>Communications and Control Engineering</i> , 2017 , 259-295	0.6	
120	Stability and Suboptimality Without Stabilizing Terminal Conditions. <i>Communications and Control Engineering</i> , 2017 , 121-176	0.6	0
119	Discrete Time and Sampled Data Systems. <i>Communications and Control Engineering</i> , 2017 , 13-43	0.6	
118	Variants and Extensions. <i>Communications and Control Engineering</i> , 2017 , 297-342	0.6	
117	Approximation Properties of Receding Horizon Optimal Control. <i>Deutsche Mathematiker Vereinigung Jahresbericht</i> , 2016 , 118, 3-37	2.2	23
116	. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3898-3911	5.9	35
115	Computation of local ISS Lyapunov functions for discrete-time systems via linear programming. <i>Journal of Mathematical Analysis and Applications</i> , 2016 , 438, 701-719	1.1	1
114	On the relation between strict dissipativity and turnpike properties. <i>Systems and Control Letters</i> , 2016 , 90, 45-53	2.4	62
113	Model Predictive Control of Residential Energy Systems Using Energy Storage and Controllable Loads. <i>Mathematics in Industry</i> , 2016 , 617-623	0.2	3
112	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, Australia, supported by the Australian Research Council, Grant DP160102138.	0.7	4
111	Economic model predictive control without terminal constraints for optimal periodic behavior. <i>Automatica</i> , 2016 , 70, 128-139	5.7	60
110	Zubov's equation for state-constrained perturbed nonlinear systems. <i>Mathematical Control and Related Fields</i> , 2015 , 5, 55-71	1.5	7
109	Stabilization with discounted optimal control. <i>Systems and Control Letters</i> , 2015 , 82, 91-98	2.4	21
108	Using nonlinear model predictive control for dynamic decision problems in economics. <i>Journal of Economic Dynamics and Control</i> , 2015 , 60, 112-133	1.3	64
107	Zubov's method for controlled diffusions with state constraints. <i>Nonlinear Differential Equations and Applications</i> , 2015 , 22, 1765-1799	0.8	3
106	On non-averaged performance of economic MPC with terminal conditions 2015 ,		9

105	Economic model predictive control without terminal constraints: Optimal periodic operation 2015 ,		7
104	Unconstrained nonlinear MPC: Performance estimates for sampled-data systems with zero order hold 2015 ,		2
103	On the role of dissipativity in economic model predictive control. <i>IFAC-PapersOnLine</i> , 2015 , 48, 110-116	0.7	25
102	Predictive control of a Smart Grid: A distributed optimization algorithm with centralized performance properties 2015 ,		3
101	. <i>IEEE Transactions on Smart Grid</i> , 2015 , 6, 1914-1923	10.7	129
100	Value iteration convergence of ϵ -monotone schemes for stationary Hamilton-Jacobi equations. <i>Discrete and Continuous Dynamical Systems</i> , 2015 , 35, 4041-4070	2	13
99	Robustness of performance and stability for multistep and updated multistep MPC schemes. <i>Discrete and Continuous Dynamical Systems</i> , 2015 , 35, 4385-4414	2	14
98	Computation of local ISS Lyapunov functions with low gains via linear programming. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2015 , 20, 2477-2495	1.3	6
97	Numerical event-based ISS controller design via a dynamic game approach. <i>Journal of Computational Dynamics</i> , 2015 , 2, 65-81	2.6	
96	The Role of Sampling for Stability and Performance in Unconstrained Nonlinear Model Predictive Control. <i>SIAM Journal on Control and Optimization</i> , 2014 , 52, 581-605	1.9	27
95	ISS-Lyapunov Functions for Discontinuous Discrete-Time Systems. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 3098-3103	5.9	23
94	An Exponential Turnpike Theorem for Dissipative Discrete Time Optimal Control Problems. <i>SIAM Journal on Control and Optimization</i> , 2014 , 52, 1935-1957	1.9	72
93	Asymptotic stability and transient optimality of economic MPC without terminal conditions. <i>Journal of Process Control</i> , 2014 , 24, 1187-1196	3.9	72
92	Distributed Control of Residential Energy Systems using a Market Maker. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 11641-11646		6
91	Nonlinear MPC: the Impact of Sampling on Closed Loop Stability. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2014 , 14, 911-912	0.2	
90	Stability and feasibility of state constrained MPC without stabilizing terminal constraints. <i>Systems and Control Letters</i> , 2014 , 72, 14-21	2.4	67
89	A Lyapunov function for economic MPC without terminal conditions 2014 ,		12
88	Economic receding horizon control without terminal constraints. <i>Automatica</i> , 2013 , 49, 725-734	5.7	232

87	Numerical ISS controller design via a dynamic game approach 2013 ,		4
86	Using Nonlinear Model Predictive Control for Dynamic Decision Problems In Economics. <i>SSRN Electronic Journal</i> , 2013 ,	1	6
85	Distributed and boundary model predictive control for the heat equation. <i>GAMM Mitteilungen</i> , 2012 , 35, 131-145	1.8	14
84	Economic Growth and the Transition from Non-Renewable to Renewable Energy. <i>SSRN Electronic Journal</i> , 2012 ,	1	4
83	Ensuring stability in networked systems with nonlinear MPC for continuous time systems 2012 ,		1
82	NMPC without terminal constraints. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 1-13		46
81	Optimal camera placement to measure distances regarding static and dynamic obstacles. <i>International Journal of Sensor Networks</i> , 2012 , 12, 25	0.8	12
80	Linear programming based Lyapunov function computation for differential inclusions. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2012 , 17, 33-56	1.3	36
79	Discrete Time and Sampled Data Systems. <i>Communications and Control Engineering</i> , 2011 , 13-41	0.6	1
78	Infinite Horizon Optimal Control. <i>Communications and Control Engineering</i> , 2011 , 67-85	0.6	3
77	Stability and Suboptimality Using Stabilizing Constraints. <i>Communications and Control Engineering</i> , 2011 , 87-112	0.6	
76	Stability and Suboptimality Without Stabilizing Constraints. <i>Communications and Control Engineering</i> , 2011 , 113-163	0.6	5
75	Variants and Extensions. <i>Communications and Control Engineering</i> , 2011 , 165-210	0.6	
74	Feasibility and Robustness. <i>Communications and Control Engineering</i> , 2011 , 211-250	0.6	
73	Numerical Discretization. <i>Communications and Control Engineering</i> , 2011 , 251-273	0.6	
72	Nonlinear Model Predictive Control. <i>Communications and Control Engineering</i> , 2011 , 43-66	0.6	59
71	Differential Games and Zubov's Method. <i>SIAM Journal on Control and Optimization</i> , 2011 , 49, 2349-2377	1.9	6
70	Numerical Optimal Control of Nonlinear Systems. <i>Communications and Control Engineering</i> , 2011 , 275-339	0.6	1

69	Fluctuation of Firm Size in the Long-Run and Bimodal Distribution. <i>Advances in Operations Research</i> , 2011 , 2011, 1-21	1.3	3
68	Optimal invariance via receding horizon control 2011 ,		8
67	Nonlinear Model Predictive Control. <i>Communications and Control Engineering</i> , 2011 ,	0.6	333
66	Feedback stabilization methods for the numerical solution of ordinary differential equations. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2011 , 16, 283-317	1.3	12
65	Receding horizon optimal control for the wave equation 2010 ,		9
64	Digital vernetzte Regelungssysteme. <i>Automatisierungstechnik</i> , 2010 , 58, 171-172	0.8	
63	Two Complementary Approaches to Event-based Control Zwei komplementäre Zugänge zur ereignisbasierten Regelung. <i>Automatisierungstechnik</i> , 2010 , 58, 173-182	0.8	12
62	Analysis of Unconstrained Nonlinear MPC Schemes with Time Varying Control Horizon. <i>SIAM Journal on Control and Optimization</i> , 2010 , 48, 4938-4962	1.9	84
61	Worst case vs. average performance estimates for unconstrained NMPC schemes. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2010 , 10, 607-608	0.2	2
60	Growth and Climate Change: Threshold and Multiple Equilibria. <i>Dynamic Modeling and Econometrics in Economics and Finance</i> , 2010 , 63-78		10
59	Predictive Planning and Systematic Action On the Control of Technical Processes 2010 , 9-37		
58	An algorithm for event-based optimal feedback control 2009 ,		14
57	Dynamic Consumption and Portfolio Decisions with Time Varying Asset Returns. <i>Journal of Wealth Management</i> , 2009 , 12, 21-47	0.5	11
56	Set Oriented Construction of Globally Optimal Controllers Mengenorientierte Konstruktion global optimaler Regler. <i>Automatisierungstechnik</i> , 2009 , 57, 287-295	0.8	4
55	Practical NMPC suboptimality estimates along trajectories. <i>Systems and Control Letters</i> , 2009 , 58, 161-168	0.4	23
54	Analysis and Design of Unconstrained Nonlinear MPC Schemes for Finite and Infinite Dimensional Systems. <i>SIAM Journal on Control and Optimization</i> , 2009 , 48, 1206-1228	1.9	108
53	Control Lyapunov Functions and Zubov's Method. <i>SIAM Journal on Control and Optimization</i> , 2008 , 47, 301-326	1.9	31
52	Redesign Techniques for Nonlinear Sampled-data Systems (Entwurfstechniken für nichtlineare Abtastsysteme). <i>Automatisierungstechnik</i> , 2008 , 56, 38-48	0.8	5

51	On the Infinite Horizon Performance of Receding Horizon Controllers. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 2100-2111	5.9	107
50	Global Optimal Control of Perturbed Systems. <i>Journal of Optimization Theory and Applications</i> , 2008 , 136, 411-429	1.6	33
49	Input-to-state stability, numerical dynamics and sampled-data control. <i>GAMM Mitteilungen</i> , 2008 , 31, 94-114	1.8	4
48	Asset pricing with loss aversion. <i>Journal of Economic Dynamics and Control</i> , 2008 , 32, 3253-3274	1.3	36
47	Continuous-time controller redesign for digital implementation: A trajectory based approach. <i>Automatica</i> , 2008 , 44, 225-232	5.7	25
46	Optimization Based Stabilization of Nonlinear Control Systems. <i>Lecture Notes in Computer Science</i> , 2008 , 52-65	0.9	1
45	Lyapunov's second method for nonautonomous differential equations. <i>Discrete and Continuous Dynamical Systems</i> , 2007 , 18, 375-403	2	16
44	An efficient algorithm for perturbed shortest path problems. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2007 , 7, 1025003-1025004	0.2	
43	Asset pricing with dynamic programming. <i>Computational Economics</i> , 2007 , 29, 233-265	1.4	8
42	Comparing accuracy of second-order approximation and dynamic programming. <i>Computational Economics</i> , 2007 , 30, 65-91	1.4	22
41	Approximately optimal nonlinear stabilization with preservation of the Lyapunov function property 2007 ,		11
40	Computing stability and performance bounds for unconstrained NMPC schemes 2007 ,		3
39	STABILIZATION OF CONTROLLED DIFFUSIONS AND ZUBOV'S METHOD. <i>Stochastics and Dynamics</i> , 2006 , 06, 373-393	0.8	6
38	Adaptive spline interpolation for Hamilton-Jacobi-Bellman equations. <i>Applied Numerical Mathematics</i> , 2006 , 56, 1196-1210	2.5	11
37	A receding horizon control approach to sampled-data implementation of continuous-time controllers. <i>Systems and Control Letters</i> , 2006 , 55, 660-672	2.4	38
36	An invariance kernel representation of ISDS Lyapunov functions. <i>Systems and Control Letters</i> , 2006 , 55, 736-745	2.4	6
35	Higher order numerical approximation of switching systems. <i>Systems and Control Letters</i> , 2006 , 55, 746-754		8
34	Solving ecological management problems using dynamic programming. <i>Journal of Economic Behavior and Organization</i> , 2005 , 57, 448-473	1.6	15

33	NONLINEAR SAMPLED DATA CONTROLLER REDESIGN VIA LYAPUNOV FUNCTIONS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 862-867		
32	A set oriented approach to optimal feedback stabilization. <i>Systems and Control Letters</i> , 2005 , 54, 169-180.	4	31
31	Lyapunov-based continuous-time nonlinear controller redesign for sampled-data implementation. <i>Automatica</i> , 2005 , 41, 1143-1156	5.7	110
30	Creditworthiness and thresholds in a credit market model with multiple equilibria. <i>Economic Theory</i> , 2005 , 25, 287	1.2	6
29	ZUBOV'S METHOD FOR STOCHASTIC CONTROL SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 259-264		
28	Quantitative Aspects of the Input-to-State-Stability Property. <i>Lecture Notes in Control and Information Sciences</i> , 2004 , 215-230	0.5	5
27	ROBUST ASYMPTOTIC CONTROLLABILITY UNDER TIME-VARYING PERTURBATIONS. <i>Stochastics and Dynamics</i> , 2004 , 04, 297-316	0.8	
26	Error estimation and adaptive discretization for the discrete stochastic Hamilton-Jacobi-Bellman equation. <i>Numerische Mathematik</i> , 2004 , 99, 85-112	2.2	18
25	Using dynamic programming with adaptive grid scheme for optimal control problems in economics. <i>Journal of Economic Dynamics and Control</i> , 2004 , 28, 2427-2456	1.3	77
24	Construction of lyapunov functions on the domain of asymptotic nullcontrollability: Numerics. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004 , 37, 715-720		2
23	Optimization-Based Stabilization of Sampled-Data Nonlinear Systems via Their Approximate Discrete-Time Models. <i>SIAM Journal on Control and Optimization</i> , 2003 , 42, 98-122	1.9	69
22	Attraction Rates, Robustness, and Discretization of Attractors. <i>SIAM Journal on Numerical Analysis</i> , 2003 , 41, 2096-2113	2.4	12
21	Characterizing attraction probabilities via the stochastic Zubov equation. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2003 , 3, 457-468	1.3	9
20	Numerical Schemes of Higher Order for a Class of Nonlinear Control Systems. <i>Lecture Notes in Computer Science</i> , 2003 , 213-220	0.9	3
19	Asymptotic Behavior of Dynamical and Control Systems under Perturbation and Discretization. <i>Lecture Notes in Mathematics</i> , 2002 ,	0.4	53
18	Subdivision Techniques for the Computation of Domains of Attractions and Reachable Sets. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2001 , 34, 729-734		
17	Pathwise Approximation of Random Ordinary Differential Equations. <i>BIT Numerical Mathematics</i> , 2001 , 41, 711-721	1.7	35
16	Persistence of attractors for one-step discretization of ordinary differential equations. <i>IMA Journal of Numerical Analysis</i> , 2001 , 21, 751-767	1.8	3

15	A Generalization of Zubov's Method to Perturbed Systems. <i>SIAM Journal on Control and Optimization</i> , 2001 , 40, 496-515	1.9	46
14	Convergence Rates of Perturbed Attracting Sets with Vanishing Perturbation. <i>Journal of Mathematical Analysis and Applications</i> , 2000 , 244, 369-392	1.1	4
13	On the rate of convergence of infinite horizon discounted optimal value functions. <i>Nonlinear Analysis: Real World Applications</i> , 2000 , 1, 499-515	2.1	2
12	A Uniform Exponential Spectrum for Linear Flows on Vector Bundles. <i>Journal of Dynamics and Differential Equations</i> , 2000 , 12, 435-448	1.3	16
11	Homogeneous State Feedback Stabilization of Homogenous Systems. <i>SIAM Journal on Control and Optimization</i> , 2000 , 38, 1288-1308	1.9	90
10	Numerical Approximation of the Maximal Solutions for a Class of Degenerate Hamilton-Jacobi Equations. <i>SIAM Journal on Numerical Analysis</i> , 2000 , 38, 1540-1560	2.4	18
9	Feedback stabilization of discrete-time homogeneous semi-linear systems. <i>Systems and Control Letters</i> , 1999 , 37, 19-30	2.4	6
8	Input-to-state stability of exponentially stabilized semilinear control systems with inhomogeneous perturbations. <i>Systems and Control Letters</i> , 1999 , 38, 27-35	2.4	6
7	Asymptotic stability equals exponential stability, and ISS equals finite energy gain if you twist your eyes. <i>Systems and Control Letters</i> , 1999 , 38, 127-134	2.4	57
6	Stabilization by sampled and discrete feedback with positive sampling rate. <i>Lecture Notes in Control and Information Sciences</i> , 1999 , 165-182	0.5	8
5	On the Relation between Discounted and Average Optimal Value Functions. <i>Journal of Differential Equations</i> , 1998 , 148, 65-99	2.1	29
4	Asymptotic Controllability and Exponential Stabilization of Nonlinear Control Systems at Singular Points. <i>SIAM Journal on Control and Optimization</i> , 1998 , 36, 1485-1503	1.9	27
3	An adaptive grid scheme for the discrete Hamilton-Jacobi-Bellman equation. <i>Numerische Mathematik</i> , 1997 , 75, 319-337	2.2	81
2	Numerical Stabilization of Bilinear Control Systems. <i>SIAM Journal on Control and Optimization</i> , 1996 , 34, 2024-2050	1.9	20
1	Local Turnpike Analysis Using Local Dissipativity for Discrete Time Discounted Optimal Control. <i>Applied Mathematics and Optimization</i> , 1	1.5	0