

# Tomomichi Hagiwara

## 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.

153  
papers

1,112  
citations

16  
h-index

29  
g-index

175  
ext. papers

1,396  
ext. citations

1.9  
avg, IF

4.52  
L-index

#	Paper	IF	Citations
153	The generalized H2 controller synthesis problem of sampled-data systems. <i>Automatica</i> , <b>2022</b> , 142, 110460	9.7	0
152	On well-definability of the $L_1/L_2$ Hankel operator and detection of all the critical instants in sampled-data systems. <i>IET Control Theory and Applications</i> , <b>2021</b> , 15, 668-682	2.5	1
151	L1 optimal controller synthesis for sampled-data systems via piecewise linear kernel approximation. <i>International Journal of Robust and Nonlinear Control</i> , <b>2021</b> , 31, 4933-4950	3.6	1
150	Analysis of the $l_1/l_1$ Hankel Norms of Discrete-time Positive Systems. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>2021</b> , 57, 128-137	0.1	0
149	On Second-Moment Stability of Discrete-Time Linear Systems with General Stochastic Dynamics. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	2
148	Metaheuristics-Based Approximation of Two-Dimensional Probability Distributions for Stochastic Systems Control. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 4998-5003	0.7	
147	State Predictive Control with Multiple Modification Terms and Robust Stability Analysis Based on Complementary Sensitivity Functions. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 4838-4843	0.7	0
146	Verification of the Scaling Effect by Stochastic Scaling Elements. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>2020</b> , 56, 421-423	0.1	
145	Linearization of expectation-based inequality conditions in control for discrete-time linear systems represented with random polytopes. <i>Automatica</i> , <b>2020</b> , 122, 109228	5.7	3
144	Computing the $L_1$ -Induced Norm of LTI Systems: Generalization of Piecewise Quadratic and Cubic Approximations. <i>IEEE Access</i> , <b>2020</b> , 8, 139868-139880	3.5	1
143	Analysis of Positive Systems Using Copositive Programming <b>2020</b> , 4, 444-449		4
142	Cycling-Based Synthesis of Robust Output Estimators for Uncertain LPTV Systems. <i>SICE Journal of Control Measurement and System Integration</i> , <b>2019</b> , 12, 39-46	0.3	2
141	. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 4764-4771	5.9	9
140	A Bounded Real Lemma for Discrete-time Systems with Stochastic Dynamics. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>2019</b> , 55, 816-822	0.1	
139	Periodically Time-varying State Observer Design for Multi-rate Systems Using $l_2$ -induced Norm. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>2019</b> , 55, 792-799	0.1	1
138	Gain Scheduled State Feedback Synthesis for Markovian Jump Systems with Mode Transition Probabilities Depending on Time-Varying Parameters. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2019</b> , 32, 396-407	0.1	
137	Robust Stability Analysis and State Feedback Synthesis for Discrete-Time Systems Characterized by Random Polytopes. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 556-562	5.9	14

136	Nonlinear Output Feedback Control for Average Output Voltage of Boost Converters Based on their Discretized Bilinear Model. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2018</b> , 31, 63-74	0.1	
135	Construction of Periodically Time-varying Dynamic Quantizer with Admissible Average Communication Rate Constraints. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>2018</b> , 54, 827-835	0.1	0
134	Atmosphere Dynamics Modeling and Hydrogen Ratio Control of Horizontal Continuous Annealing Furnace. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2018</b> , 31, 228-239	0.1	
133	The $l_p$ Induced Norm and the Small-Gain Theorem for Discrete-time Stochastic Systems <b>2018</b> ,		2
132	The $L_\infty/L_2$ Hankel Operator/ Norm of Sampled-Data Systems. <i>SIAM Journal on Control and Optimization</i> , <b>2018</b> , 56, 3685-3707	1.9	3
131	Modified state predictive control of continuous-time systems with input delay <b>2017</b> ,		2
130	Robust stability analysis with cycling-based LPTV scaling: part I. Fundamental results on its relationship with lifting-based LPTV scaling. <i>International Journal of Control</i> , <b>2017</b> , 90, 1345-1357	1.5	2
129	Stability Analysis of Neutral Type Time-Delay Positive Systems. <i>Lecture Notes in Control and Information Sciences</i> , <b>2017</b> , 67-80	0.5	5
128	Robust stability analysis with cycling-based LPTV scaling. Part II: its properties under the use of FIR separators. <i>International Journal of Control</i> , <b>2017</b> , 90, 1358-1370	1.5	1
127	Upper/lower bounds of generalized $H_2$ norms in sampled-data systems with convergence rate analysis and discretization viewpoint. <i>Systems and Control Letters</i> , <b>2017</b> , 107, 28-35	2.4	10
126	Extensive theoretical/numerical comparative studies on $H_2$ and generalised $H_2$ norms in sampled-data systems. <i>International Journal of Control</i> , <b>2017</b> , 90, 2538-2553	1.5	10
125	Kernel Approximation Approach to the $L_1$ Optimal Sampled-Data Controller Synthesis Problem. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 910-915	0.7	1
124	Robust Stability Analysis of Discrete-Time Linear Systems with Dynamics Determined by a Markov Process. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 3841-3846	0.7	
123	Characterization of Quasi $L_\infty/L_2$ Hankel Norms of Sampled-Data Systems. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 3623-3628	0.7	1
122	Robust Output Estimator Synthesis Based on Cycling-Based LPTV Scaling. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 7578-7583	0.7	
121	Dual LMI approach to $H_\infty$ performance limitations analysis of SISO systems with multiple unstable zeros and poles <b>2016</b> ,		1
120	Further results on the $L_1$ analysis of sampled-data systems via kernel approximation approach. <i>International Journal of Control</i> , <b>2016</b> , 89, 1684-1697	1.5	8
119	$L_1$ Discretization for Sampled-Data Controller Synthesis via Piecewise Linear Approximation. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 1143-1157	5.9	13

118	LMI-Based Lower Bound Analysis of the Best Achievable $H_\infty$ Performance for SISO Systems. <i>SICE Journal of Control Measurement and System Integration</i> , <b>2016</b> , 9, 165-172	0.3	3
117	On Numerical Computation of the Spectrum of Monodromy Operators Based on Higher-Order Hold Approximation. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2016</b> , 29, 324-335	0.1	1
116	The $L_2$ Hankel norm of sampled-data systems <b>2016</b> ,		1
115	A study on discretization approach to the $L_2$ optimal controller synthesis problem in sampled-data systems <b>2016</b> ,		1
114	Spectrum of Monodromy Operator for a Time-Delay System With Application to Stability Analysis. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 3385-3390	5.9	5
113	Computing the $L_1$ -induced norm of linear time-invariant systems via Kernel approximation and its comparison with input approximation. <i>IET Control Theory and Applications</i> , <b>2015</b> , 9, 700-709	2.5	8
112	$L_1$ -induced norm analysis of sampled-data systems via piecewise constant and linear approximations. <i>Automatica</i> , <b>2015</b> , 51, 223-232	5.7	16
111	Induced norm from $L_2$ to $L_\infty$ SISO sampled-data systems <b>2015</b> ,		4
110	Gain-scheduled state feedback synthesis for systems characterized by random polytopes <b>2015</b> ,		1
109	Extension of the concept of random polytopes and robust stabilization synthesis <b>2015</b> ,		1
108	Computation of the induced norm from $L_2$ to $L_\infty$ SISO sampled-data systems: Discretization approach with convergence rate analysis <b>2015</b> ,		2
107	Analysis and Synthesis of Interconnected Positive Systems with External Inputs. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 161-166	0.7	4
106	Dominant Pole Analysis of Linear Positive Systems with Multiple Time-Delays. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2015</b> , 28, 147-154	0.1	1
105	Nonlinear Control with Integral Compensation for Output Voltage of Boost Converters Based on Discretized Bilinear Model I. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2015</b> , 28, 320-329	0.1	1
104	Nonlinear Control with Integral Compensation for Output Voltage of Boost Converters Based on Discretized Bilinear Model II. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2015</b> , 28, 330-339	0.1	1
103	Robust stability analysis of discrete-time linear systems characterized by stochastic polytopes <b>2014</b> ,		2
102	Computing the $L_1$ -induced norm of LTI systems <b>2014</b> ,		1
101	Conversion of linear time-invariant time-delay feedback systems into delay-differential equations with commensurate delays. <i>International Journal of Systems Science</i> , <b>2014</b> , 45, 1643-1656	2.3	1

100	State feedback synthesis for robust stabilization of discrete-time linear systems characterized by stochastic polytopes <b>2014</b> ,		4
99	Quasi-finite-rank approximation of compression operators on $L^2[0, h)$ with application to stability analysis of time-delay systems. <i>IET Control Theory and Applications</i> , <b>2014</b> , 8, 77-85	2.5	2
98	Computing the $H^\infty$ -induced norm of a compression operator via fast-lifting. <i>Systems and Control Letters</i> , <b>2014</b> , 67, 1-8	2.4	11
97	Manipulation of Fluxoid by Electromagnetic Perturbation. <i>IEICE Proceeding Series</i> , <b>2014</b> , 2, 34-37		
96	Unified treatment of robust stability conditions for discrete-time systems through an infinite matrix framework. <i>Automatica</i> , <b>2013</b> , 49, 1488-1493	5.7	5
95	Robust stability analysis based on finite impulse response scaling for discrete-time linear time-invariant systems. <i>IET Control Theory and Applications</i> , <b>2013</b> , 7, 1463-1471	2.5	3
94	Demonstrating the Effectiveness of Noncausal LPTV Scaling through Control Experiments with Cart Inverted Pendulum. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2013</b> , 46, 143-148		
93	Stability Analysis of Discrete-time Interconnected Positive Systems using Weighted $l_1$ -induced Norm. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2013</b> , 26, 355-364	0.1	2
92	Numerical Methods for Spectrum Computation of Monodromy Operators via Non-Causal Hold Discretization. <i>SICE Journal of Control Measurement and System Integration</i> , <b>2013</b> , 6, 45-53	0.3	4
91	LMI-based Stability and $H^\infty$ Performance Analysis of Discrete-time Positive Systems. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2013</b> , 26, 45-51	0.1	
90	Demonstrating the Effectiveness of Robust Performance Synthesis Based on Noncausal Linear Periodically Time-Varying Scaling through Control Experiments of Cart Inverted Pendulum. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2013</b> , 26, 165-173	0.1	
89	Note on Well-Posedness and Separator-Type Robust Stability Theorem of LTI Systems. <i>SICE Journal of Control Measurement and System Integration</i> , <b>2012</b> , 5, 169-174	0.3	5
88	Robust Performance Controller Synthesis Based on Discrete-Time Noncausal Linear Periodically Time-Varying Scaling. <i>Asian Journal of Control</i> , <b>2012</b> , 14, 1194-1204	1.7	2
87	Robust stability analysis based on noncausal LPTV FIR scaling: Explicit procedure and relationship with causal LTI FIR scaling <b>2012</b> ,		1
86	Robust stability analysis based on discrete-time FIR scaling <b>2012</b> ,		2
85	Conversion of Linear Time-Invariant Delay-Differential Equations with External Input and Output into Representation as Time-Delay Feedback Systems. <i>SICE Journal of Control Measurement and System Integration</i> , <b>2012</b> , 5, 200-209	0.3	1
84	Relationship between Noncausal Linear Periodically Time-Varying Scaling and Causal Linear Time-Invariant Scaling for Discrete-Time Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 3384-3391		2
83	Periodically time-varying controller synthesis for multiobjective control of discrete-time systems and analysis of achievable performance. <i>Systems and Control Letters</i> , <b>2011</b> , 60, 709-717	2.4	11

82	Concatenated solutions of delay-differential equations and their representation with time-delay feedback systems. <i>International Journal of Control</i> , <b>2011</b> , 84, 1126-1139	1.5	4
81	Properties of discrete-time noncausal linear periodically time-varying scaling and their relationship with shift-invariance in lifting-timing. <i>International Journal of Control</i> , <b>2011</b> , 84, 1067-1079	1.5	6
80	Fast-Lifting Approach to the Computation of the Spectrum of Retarded Time-Delay Systems. <i>European Journal of Control</i> , <b>2011</b> , 17, 162-171	2.5	8
79	Infinite matrix representations of robust stability conditions for discrete-time systems <b>2011</b> ,		1
78	Block checker/diagonal transformation matrices, their properties, and the interplay with fast-lifting. <i>International Journal of Systems Science</i> , <b>2011</b> , 42, 1293-1303	2.3	2
77	Asymptotic exactness of dual LMI approach for robust performance analysis of uncertain LTI systems <b>2010</b> ,		1
76	Quasi-finite-rank approximation of compression operators in sampled-data systems and time-delay systems. <i>International Journal of Control</i> , <b>2010</b> , 83, 2385-2394	1.5	5
75	Fast-Lifting Approach to the Computation of the Spectral Radius of Neutral Time-Delay Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2010</b> , 43, 63-68		1
74	Synthesis of Robust Performance Controllers Based on Discrete-Time Noncausal Linear Periodically Time-Varying Scaling. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2010</b> , 43, 116-121		
73	Noncausal linear periodically time-varying scaling for robust stability analysis of discrete-time systems: Frequency-dependent scaling induced by static separators. <i>Automatica</i> , <b>2010</b> , 46, 167-173	5.7	19
72	Robust Stabilizing Controller Synthesis Based on Discrete-time Noncausal Linear Periodically Time-varying Scaling. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>2010</b> , 46, 219-228	0.1	5
71	Robust H <sub>∞</sub> Performance Analysis of LTI Systems with a Single Uncertain Parameter-Asymptotically Exact Construction of a Sequence of Relaxation Problems via Dual LMIs and Non-Asymptotic Exactness Verification. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2010</b> , 22, 41-55	0.1	1
70	A Study on Stability of Optimal Regulators under Online Gain Adjustment. <i>SICE Journal of Control Measurement and System Integration</i> , <b>2010</b> , 3, 111-120	0.3	
69	Stability Analysis of Sampled-Data Systems with Static Sector Nonlinearities via Causal Linear Periodically Time-Varying Scaling. <i>SICE Journal of Control Measurement and System Integration</i> , <b>2010</b> , 3, 260-265	0.3	
68	On Sensitivity Reduction Problems of Sampled-Data Systems: Relationships to the Problems of Discrete-Time Systems. <i>SICE Journal of Control Measurement and System Integration</i> , <b>2010</b> , 3, 456-465	0.3	1
67	Simple Adaptive Control Synthesis Enhanced by Scaling and Its Application to Positioning Control of Antagonist-Type Pneumatic Actuation Mechanism. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2009</b> , 22, 350-356	0.1	1
66	Further results on periodically time-varying memory state-feedback controller synthesis for discrete-time linear systems <b>2009</b> ,		5
65	Separator-type robust stability theorem of sampled-data systems allowing noncausal LPTV scaling. <i>Automatica</i> , <b>2009</b> , 45, 1868-1872	5.7	6

64	Constructing a sequence of relaxation problems for robustness analysis of uncertain LTI systems via dual LMIs <b>2009</b> ,		1
63	Robust Performance Analysis of Uncertain LTI Systems: Dual LMI Approach and Verifications for Exactness. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 938-951	5.9	24
62	Modified fast-sample/fast-hold approximation and $H_2$ discretisation for general sampled-data systems by fast-lifting. <i>International Journal of Control</i> , <b>2009</b> , 82, 1762-1771	1.5	8
61	On Numerical Computation of the Spectrum of a Class of Integral Operators via Non-Causal Hold Discretization. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2009</b> , 42, 382-389		3
60	Fast-lifting approach to the computation of the spectrum of retarded time-delay systems <b>2009</b> ,		3
59	Modified Fast-sample/Fast-hold Approximation for Sampled-data System Analysis. <i>European Journal of Control</i> , <b>2008</b> , 14, 286-296	2.5	23
58	Generalized $S$ -Procedure for Inequality Conditions on One-Vector-Lossless Sets and Linear System Analysis. <i>SIAM Journal on Control and Optimization</i> , <b>2008</b> , 47, 1547-1555	1.9	4
57	Fast-lifting approach to time-delay systems: Fundamental framework <b>2008</b> ,		6
56	Frequency-Dependent Scaling Induced by Noncausal Linear Periodically Time-Varying Scaling for Discrete-Time Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 6359-6364		
55	Extracting Worst Case Perturbations for Robustness Analysis of Parameter-Dependent LTI Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 11379-11384		
54	Linear periodically time-varying scaling and its properties. <i>Systems and Control Letters</i> , <b>2008</b> , 57, 816-821	2.4	3
53	On $H_2$ model reduction for discrete-time linear time-invariant systems using linear matrix inequalities. <i>Asian Journal of Control</i> , <b>2008</b> , 10, 291-300	1.7	6
52	Trajectory Tracking Control of a Two-axis Arm Driven by Pneumatic Artificial Muscles: Application of Plant-variable-optimal Control and Performance Improvement with an Observer Using Pressure Data. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>2008</b> , 44, 927-935	0.1	1
51	Further Results on Computing the Distance to Uncontrollability via LMIs. <i>Proceedings of the American Control Conference</i> , <b>2007</b> ,	1.2	1
50	Robust stability analysis of sampled-data systems with noncausal periodically time-varying scaling: Optimization of scaling via approximate discretization and error bound analysis <b>2007</b> ,		6
49	NONCAUSAL LINEAR PERIODICALLY TIME-VARYING SCALING FOR DISCRETE-TIME SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2007</b> , 40, 268-273		1
48	Computing the Distance to Uncontrollability via LMIs: Lower and Upper Bounds Computation and Exactness Verification <b>2006</b> ,		4
47	ROBUST $H_2$ PERFORMANCE ANALYSIS OF UNCERTAIN LTI SYSTEMS VIA POLYNOMIALLY PARAMETER-DEPENDENT LYAPUNOV FUNCTIONS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2006</b> , 39, 435-440		9

46	On the degree of polynomial parameter-dependent Lyapunov functions for robust stability of single parameter-dependent LTI systems: A counter-example to Barmish's conjecture. <i>Automatica</i> , <b>2006</b> , 42, 1599-1603	5.7	7
45	Robust $H^\infty$ Performance Analysis of Linear Time-Invariant Uncertain Systems via Polynomially Parameter-Dependent Lyapunov Functions. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>2006</b> , 42, 618-627	0.1	
44	A Study on the Spectrum of the Sampled-Data Transfer Operator with Application to Robust Exponential Stability Problems. <i>SIAM Journal on Control and Optimization</i> , <b>2005</b> , 44, 313-327	1.9	2
43	AN ITERATIVE METHOD FOR ROBUST PERFORMANCE ANALYSIS OF SAMPLED-DATA SYSTEMS AGAINST PARAMETER UNCERTAINTIES. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 529-534		
42	FINITE-DIMENSIONAL MODELS IN EVALUATING THE $H_2$ NORM OF CONTINUOUS-TIME PERIODIC SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 260-265		1
41	A dilated LMI approach to robust performance analysis of linear time-invariant uncertain systems. <i>Automatica</i> , <b>2005</b> , 41, 1933-1941	5.7	67
40	2-Regularized Nyquist Criterion in Linear Continuous-Time Periodic Systems and Its Implementation. <i>SIAM Journal on Control and Optimization</i> , <b>2005</b> , 44, 618-645	1.9	12
39	Spectral characteristics and eigenvalues computation of the harmonic state operators in continuous-time periodic systems. <i>Systems and Control Letters</i> , <b>2004</b> , 53, 141-155	2.4	17
38	New dilated LMI characterizations for continuous-time multiobjective controller synthesis. <i>Automatica</i> , <b>2004</b> , 40, 2003-2009	5.7	86
37	Positive-realness analysis of sampled-data systems and its applications. <i>Automatica</i> , <b>2004</b> , 40, 1043-1051	5.7	6
36	Structured controller synthesis using LMI and alternating projection method. <i>International Journal of Control</i> , <b>2004</b> , 77, 1137-1147	1.5	17
35	Discretization of continuous-time controllers based on frequency response of sampled-data systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2004</b> , 37, 135-140		1
34	Existence of harmonic Riccati equations and their solutions in continuous-time periodic systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2004</b> , 37, 237-242		1
33	Trace formula of linear continuous-time periodic systems via the harmonic Lyapunov equation. <i>International Journal of Control</i> , <b>2003</b> , 76, 488-500	1.5	12
32	A Dilated LMI Approach to Continuous-Time Gain-Scheduled controller Synthesis with Parameter-Dependent Lyapunov Variables. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>2003</b> , 39, 734-740	0.1	3
31	Nyquist stability criterion and positive-realness of sampled-data systems. <i>Systems and Control Letters</i> , <b>2002</b> , 45, 283-291	2.4	12
30	$H_2$ and $H_\infty$ norm computations of linear continuous-time periodic systems via the skew analysis of frequency response operators. <i>Automatica</i> , <b>2002</b> , 38, 1381-1387	5.7	41
29	Spectral Analysis and Singular Value Computations of the Noncompact Frequency Response and Compression Operators in Sampled-Data Systems. <i>SIAM Journal on Control and Optimization</i> , <b>2002</b> , 41, 1350-1371	1.9	2



28	A Study on the Optimal Cost for the $H_{\infty}$ Problem of Discrete Linear Periodically Time-Varying Systems. <i>SIAM Journal on Control and Optimization</i> , <b>2002</b> , 41, 362-379	1.9	
27	Existence Conditions and Properties of the Frequency Response Operators of Continuous-Time Periodic Systems. <i>SIAM Journal on Control and Optimization</i> , <b>2002</b> , 40, 1867-1887	1.9	34
26	$H_2$ and $H_{\infty}$ Norms of Continuous-Time Periodic Systems.. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2001</b> , 34, 49-54		
25	Upper and lower bounds of the frequency response gain of sampled-data systems. <i>Automatica</i> , <b>2001</b> , 37, 1363-1370	5.7	16
24	LMI representation of the shifted Popov criterion. <i>Automatica</i> , <b>2000</b> , 36, 765-770	5.7	3
23	Sequential tuning methods of LQ/LQI controllers for multivariable systems and their application to hot strip mills. <i>International Journal of Control</i> , <b>2000</b> , 73, 1392-1404	1.5	2
22	Simultaneous Stabilization and Pole Assignment by Two Level Controllers Consisting of a Gain Feedback and a Multirate Input Controller. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1999</b> , 121, 302-305	1.6	7
21	Popov-Type Criterion for Stability of Nonlinear Sampled-Data Systems. <i>Automatica</i> , <b>1998</b> , 34, 671-682	5.7	18
20	Proposal of a Time-Sharing Sample-Hold Controller: Duality Consideration Between a Generalized Hold and a Generalized Sampler. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>1996</b> , 29, 1333-1338		
19	Simultaneous Pole Assignment and Stabilization by a Time-Sharing Multirate Output Controller. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>1996</b> , 29, 3380-3385		1
18	Simultaneous pole assignment by multi-structured multirate sampled-data controllers—orthogonality consideration. <i>International Journal of Robust and Nonlinear Control</i> , <b>1996</b> , 6, 571-584	3.6	4
17	Frequency response of sampled-data systems. <i>Automatica</i> , <b>1996</b> , 32, 483-497	5.7	82
16	Absolute stability of sampled-data systems with a sector nonlinearity. <i>Systems and Control Letters</i> , <b>1996</b> , 27, 293-304	2.4	4
15	Two-degree-of-freedom design method of linear-quadratic servo systems with an integral compensator: analysis of the performance deterioration by the introduction of an observer. <i>International Journal of Control</i> , <b>1996</b> , 64, 941-958	1.5	4
14	Two-degree-of-freedom design method of LQI servo systems: disturbance rejection by constant state feedback—this work was partially presented at the 12th IFAC World Congress.. <i>International Journal of Control</i> , <b>1996</b> , 63, 703-719	1.5	7
13	Computation of the frequency response gains and $H_{\infty}$ norm of a sampled-data system. <i>Systems and Control Letters</i> , <b>1995</b> , 25, 281-288	2.4	18
12	A successive optimal construction procedure for state feedback gains. <i>Linear Algebra and Its Applications</i> , <b>1994</b> , 203-204, 659-673	0.9	1
11	Stability of the limiting zeros of sampled-data systems with zero-and first-order holds. <i>International Journal of Control</i> , <b>1993</b> , 58, 1325-1346	1.5	87

10	Robust stability of sampled data systems <b>1992</b> , 48-55		1
9	Plant-Variable-Optimal Robust Servo System with Two Degrees of Freedom. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>1992</b> , 28, 77-86	0.1	2
8	A Design Method of LQI Servo Systems with Two Degrees of Freedom. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>1991</b> , 4, 501-510	0.1	7
7	Generalized multirate-output controllers. <i>International Journal of Control</i> , <b>1990</b> , 52, 597-612	1.5	27
6	On Discretization of Quadratic Performance Index. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>1990</b> , 26, 592-594	0.1	
5	Controllability indices of sampled-data systems. <i>International Journal of Systems Science</i> , <b>1988</b> , 19, 2449-2457		5
4	A Method of Pole Assignment for Discrete-Time Systems with Delayed Control. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>1988</b> , 24, 531-533	0.1	2
3	On the necessary condition for discrete-time pole-assignability by piecewise constant output feedback. <i>International Journal of Control</i> , <b>1986</b> , 43, 1905-1909	1.5	7
2	Pole assignment by multirate sampled-data output feedback. <i>International Journal of Control</i> , <b>1986</b> , 44, 1661-1673	1.5	105
1	Pole assignment by multirate sampled-data output feedback <b>1985</b> ,		4