Yutaka Yamamoto

List of Publications by Year in Descending Order

47 papers	456 citations	11 h-index	20 g-index
54 ext. papers	576 ext. citations	2.4 avg, IF	3.77 L-index

#	Paper	IF	Citations
47	Iterative Greedy LMI for Sparse Control **2022**, 6, 986-991		0
46	Sparse Representation for Sampled-Data $$H^infty $$ Filters **2022**, 427-444		
45	B□out Identity in Pseudoratoinal Transfer Functions. *IFAC-PapersOnLine*, **2021**, 54, 353-358	0.7	
44	Stability analysis of perturbed infinite-dimensional sampled-data systems. *Systems and Control Letters*, **2020**, 138, 104652	2.4	5
43	Sparse Representation of Feedback Filters in Delta-Sigma Modulators. *IFAC-PapersOnLine*, **2020**, 53, 512-517	0.7	1
42	Bruce Francis-His Influence and My Recollections [Historical Perspectives]. *IEEE Control Systems*, **2018**, 38, 96-98	2.9	
41	Digital Control **2018**, 1-19		0
40	A Renewed Look at Zeros of Sampled-Data Systems□rom the Lifting Viewpoint. *IFAC-PapersOnLine*, **2017**, 50, 3668-3673	0.7	0
39	Behavioral controllability and coprimeness for pseudorational transfer functions. *Systems and Control Letters*, **2016**, 95, 20-26	2.4	2
38	Digital repetitive controller design via sampled-data delayed signal reconstruction. *Automatica*, **2016**, 65, 203-209	5.7	8
37	Coprimeness of fractional representations **2016**,		1
36	Tracking of signals beyond the Nyquist frequency **2016**,		5
35	Sensitivity Reduction by Stable Controllers for MIMO Infinite Dimensional Systems via the Tangential Nevanlinna-Pick Interpolation. *IEEE Transactions on Automatic Control*, **2014**, 59, 1099-1105	5.9	5
34	Stable controller design for mixed sensitivity reduction of infinite-dimensional systems. *Systems and Control Letters*, **2014**, 72, 80-85	2.4	4
33	Output feedback stabilization of switched linear systems with limited information **2014**,		8
32	H^{infty} -Optimal Fractional Delay Filters. *IEEE Transactions on Signal Processing*, **2013**, 61, 4473-4480	4.8	12
31	Mixed sensitivity reduction for time-delay systems by stable controllers **2013**,		1

30	Stable controllers for robust stabilization of systems with infinitely many unstable poles. *Systems and Control Letters*, **2013**, 62, 511-516	2.4	9
29	. *IEEE Transactions on Signal Processing*, **2012**, 60, 2828-2839	4.8	29
28	Tangential Nevanlinna-Pick interpolation for strong stabilization of MIMO distributed parameter systems **2012**,		1
27	Sensitivity Reduction by Strongly Stabilizing Controllers for MIMO Distributed Parameter Systems. *IEEE Transactions on Automatic Control*, **2012**, 57, 2089-2094	5.9	11
26	H control of microgrids involving gas turbine engines and batteries **2012**,		5
25	Signal Reconstruction via H^{infty} Sampled-Data Control Theory Beyond the Shannon Paradigm. *IEEE Transactions on Signal Processing*, **2012**, 60, 613-625	4.8	29
24	Convergence and compactness of families of proper plants in the graph topology **2012**,		1
23	H optimal approximation for causal spline interpolation. *Signal Processing*, **2011**, 91, 176-184	4.4	3
22	Compact sets in the graph topology and applications to approximation of system design **2011**,		2
21	My Florida Days with Rudolf Kalman [Historical Perspectives]. *IEEE Control Systems*, **2010**, 30, 94-95	2.9	1
20	Hankel norm computation for pseudorational transfer functions **2009**,		1
19	Path integrals and B outians for pseudorational transfer functions **2009**,		2
18	Behavioral controllability and coprimeness for a class of infinite-dimensional systems **2008**,		6
17	Linear Differential Behaviors Described by Rational Symbols. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 12266-12272		1
16	Pseudorational Impulse Responses — Algebraic System Theory for Distributed Parameter Systems. *SICE Journal of Control Measurement and System Integration*, **2008**, 1, 51-57	0.3	1
15	Behaviors Described by Rational Symbols and the Parametrization of the Stabilizing Controllers. *Lecture Notes in Control and Information Sciences*, **2008**, 263-277	0.5	1
14	Behaviors defined by rational functions. *Linear Algebra and Its Applications*, **2007**, 425, 226-241	0.9	27
13	Pseudorational transfer functions A survey of a class of infinite-dimensional systems **2007**,		4

12	A new characterization of invariant subspaces of and applications to the optimal sensitivity problem. *Systems and Control Letters*, **2005**, 54, 539-545	2.4	9
11	A Hamiltonian-based solution to the mixed sensitivity optimization problem for stable pseudorational plants. *Systems and Control Letters*, **2005**, 54, 1063-1068	2.4	10
10	Repetitive control via sampled-data H Control. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2004**, 37, 561-565		1
9	On the mixed sensitivity optimization problem for stable pseudorational plants. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2003**, 36, 185-190		2
8	A Hamiltonian-based solution to the two-block H problem for general plants in H and rational weights. *Systems and Control Letters*, **2000**, 40, 83-95	2.4	10
7	Approximation of frequency response for sampled-data control systems. *Automatica*, **1999**, 35, 729-734	5.7	44
6	Some remarks on Hamiltonians and the infinite-dimensional one block H problem. *Systems and Control Letters*, **1996**, 29, 111-117	2.4	17
5	Frequency responses for sampled-data systems their equivalence and relationships. *Linear Algebra and Its Applications*, **1994**, 205-206, 1319-1339	0.9	39
4	On the state space and frequency domain characterization of H horm of sampled-data systems. *Systems and Control Letters*, **1993**, 21, 163-172	2.4	31
3	Equivalence of internal and external stability for a class of distributed systems. *Mathematics of Control, Signals, and Systems*, **1991**, 4, 391-409	1.3	25
2	Reachability of a Class of Infinite-Dimensional Linear Systems: An External Approach with Applications to General Neutral Systems. *SIAM Journal on Control and Optimization*, **1989**, 27, 217-234	1.9	39
1	Pseudo-Rational Input/Output Maps and Their Realizations: A Fractional Representation Approach to Infinite-Dimensional Systems. *SIAM Journal on Control and Optimization*, **1988**, 26, 1415-1430	1.9	40