

Yutaka Yamamoto

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6620463/yutaka-yamamoto-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	Approximation of frequency response for sampled-data control systems. <i>Automatica</i> , 1999 , 35, 729-734	5.7	44
46	Pseudo-Rational Input/Output Maps and Their Realizations: A Fractional Representation Approach to Infinite-Dimensional Systems. <i>SIAM Journal on Control and Optimization</i> , 1988 , 26, 1415-1430	1.9	40
45	Frequency responses for sampled-data systems: their equivalence and relationships. <i>Linear Algebra and Its Applications</i> , 1994 , 205-206, 1319-1339	0.9	39
44	Reachability of a Class of Infinite-Dimensional Linear Systems: An External Approach with Applications to General Neutral Systems. <i>SIAM Journal on Control and Optimization</i> , 1989 , 27, 217-234	1.9	39
43	On the state space and frequency domain characterization of H^∞ norm of sampled-data systems. <i>Systems and Control Letters</i> , 1993 , 21, 163-172	2.4	31
42	. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 2828-2839	4.8	29
41	Signal Reconstruction via H^∞ Sampled-Data Control Theory: Beyond the Shannon Paradigm. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 613-625	4.8	29
40	Behaviors defined by rational functions. <i>Linear Algebra and Its Applications</i> , 2007 , 425, 226-241	0.9	27
39	Equivalence of internal and external stability for a class of distributed systems. <i>Mathematics of Control, Signals, and Systems</i> , 1991 , 4, 391-409	1.3	25
38	Some remarks on Hamiltonians and the infinite-dimensional one block H_2 problem. <i>Systems and Control Letters</i> , 1996 , 29, 111-117	2.4	17
37	H^∞ -Optimal Fractional Delay Filters. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 4473-4480	4.8	12
36	Sensitivity Reduction by Strongly Stabilizing Controllers for MIMO Distributed Parameter Systems. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 2089-2094	5.9	11
35	A Hamiltonian-based solution to the mixed sensitivity optimization problem for stable pseudorational plants. <i>Systems and Control Letters</i> , 2005 , 54, 1063-1068	2.4	10
34	A Hamiltonian-based solution to the two-block H_2 problem for general plants in H_2 and rational weights. <i>Systems and Control Letters</i> , 2000 , 40, 83-95	2.4	10
33	Stable controllers for robust stabilization of systems with infinitely many unstable poles. <i>Systems and Control Letters</i> , 2013 , 62, 511-516	2.4	9
32	A new characterization of invariant subspaces of and applications to the optimal sensitivity problem. <i>Systems and Control Letters</i> , 2005 , 54, 539-545	2.4	9
31	Digital repetitive controller design via sampled-data delayed signal reconstruction. <i>Automatica</i> , 2016 , 65, 203-209	5.7	8

30	Output feedback stabilization of switched linear systems with limited information 2014 ,		8
29	Behavioral controllability and coprimeness for a class of infinite-dimensional systems 2008 ,		6
28	Stability analysis of perturbed infinite-dimensional sampled-data systems. <i>Systems and Control Letters</i> , 2020 , 138, 104652	2.4	5
27	Sensitivity Reduction by Stable Controllers for MIMO Infinite Dimensional Systems via the Tangential Nevanlinna-Pick Interpolation. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 1099-1105	5.9	5
26	H _∞ control of microgrids involving gas turbine engines and batteries 2012 ,		5
25	Tracking of signals beyond the Nyquist frequency 2016 ,		5
24	Stable controller design for mixed sensitivity reduction of infinite-dimensional systems. <i>Systems and Control Letters</i> , 2014 , 72, 80-85	2.4	4
23	Pseudorational transfer functions—a survey of a class of infinite-dimensional systems 2007 ,		4
22	H _∞ optimal approximation for causal spline interpolation. <i>Signal Processing</i> , 2011 , 91, 176-184	4.4	3
21	Behavioral controllability and coprimeness for pseudorational transfer functions. <i>Systems and Control Letters</i> , 2016 , 95, 20-26	2.4	2
20	Path integrals and Bézoutians for pseudorational transfer functions 2009 ,		2
19	Compact sets in the graph topology and applications to approximation of system design 2011 ,		2
18	On the mixed sensitivity optimization problem for stable pseudorational plants. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 185-190		2
17	Mixed sensitivity reduction for time-delay systems by stable controllers 2013 ,		1
16	Tangential Nevanlinna-Pick interpolation for strong stabilization of MIMO distributed parameter systems 2012 ,		1
15	My Florida Days with Rudolf Kalman [Historical Perspectives]. <i>IEEE Control Systems</i> , 2010 , 30, 94-95	2.9	1
14	Hankel norm computation for pseudorational transfer functions 2009 ,		1
13	Convergence and compactness of families of proper plants in the graph topology 2012 ,		1

12	Linear Differential Behaviors Described by Rational Symbols. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 12266-12272		1
11	Repetitive control via sampled-data H ∞ Control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004 , 37, 561-565		1
10	Sparse Representation of Feedback Filters in Delta-Sigma Modulators. <i>IFAC-PapersOnLine</i> , 2020 , 53, 512-517		1
9	Pseudorational Impulse Responses & Algebraic System Theory for Distributed Parameter Systems. <i>SICE Journal of Control Measurement and System Integration</i> , 2008 , 1, 51-57	0.3	1
8	Behaviors Described by Rational Symbols and the Parametrization of the Stabilizing Controllers. <i>Lecture Notes in Control and Information Sciences</i> , 2008 , 263-277	0.5	1
7	Coprimeness of fractional representations 2016 ,		1
6	A Renewed Look at Zeros of Sampled-Data Systems From the Lifting Viewpoint. <i>IFAC-PapersOnLine</i> , 2017 , 50, 3668-3673	0.7	0
5	Digital Control 2018 , 1-19		0
4	Iterative Greedy LMI for Sparse Control 2022 , 6, 986-991		0
3	Bezout Identity in Pseudorational Transfer Functions. <i>IFAC-PapersOnLine</i> , 2021 , 54, 353-358	0.7	
2	Bruce Francis-His Influence and My Recollections [Historical Perspectives]. <i>IEEE Control Systems</i> , 2018 , 38, 96-98	2.9	
1	Sparse Representation for Sampled-Data H^∞ Filters 2022 , 427-444		