

# Masashi Wakaiki

## List of Publications by Year in descending order

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52  
papers

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citations

840119

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752256

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g-index

52  
all docs

52  
docs citations

52  
times ranked

495  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observability of linear systems under adversarial attacks. , 2015, , .		151
2	Stability analysis of sampled-data switched systems with quantization. Automatica, 2016, 69, 157-168.	3.0	72
3	Stabilization of Networked Control Systems Under DoS Attacks and Output Quantization. IEEE Transactions on Automatic Control, 2020, 65, 3560-3575.	3.6	62
4	Stabilization of Switched Linear Systems With Quantized Output and Switching Delays. IEEE Transactions on Automatic Control, 2017, 62, 2958-2964.	3.6	52
5	Supervisory Control of Discrete-Event Systems Under Attacks. Dynamic Games and Applications, 2019, 9, 965-983.	1.1	50
6	Stabilization of Networked Control Systems Under Clock Offsets and Quantization. IEEE Transactions on Automatic Control, 2018, 63, 1708-1723.	3.6	19
7	Observer-Based Stabilization of Systems With Quantized Inputs and Outputs. IEEE Transactions on Automatic Control, 2019, 64, 2929-2936.	3.6	19
8	SMT-Based Observer Design for Cyber-Physical Systems under Sensor Attacks. , 2016, , .		18
9	Event-Triggered Control of Infinite-Dimensional Systems. SIAM Journal on Control and Optimization, 2020, 58, 605-635.	1.1	18
10	Stabilization of systems with asynchronous sensors and controllers. Automatica, 2017, 81, 314-321.	3.0	15
11	Stable controllers for robust stabilization of systems with infinitely many unstable poles. Systems and Control Letters, 2013, 62, 511-516.	1.3	14
12	Stabilisation of switched systems with sampled and quantised output feedback. IET Control Theory and Applications, 2017, 11, 1913-1921.	1.2	14
13	Sensitivity Reduction by Strongly Stabilizing Controllers for MIMO Distributed Parameter Systems. IEEE Transactions on Automatic Control, 2012, 57, 2089-2094.	3.6	11
14	Output feedback stabilization of switched linear systems with limited information. , 2014, , .		11
15	Quantized Output Feedback Stabilization under DoS Attacks. , 2018, , .		10
16	A Control-Theoretic Approach for Cell Zooming of Energy Harvesting Small Cell Networks. IEEE Transactions on Green Communications and Networking, 2019, 3, 329-342.	3.5	10
17	Control under clock offsets and actuator saturation. , 2015, , .		9
18	Delayed bet-hedging resilience strategies under environmental fluctuations. Physical Review E, 2017, 95, 052404.	0.8	9

#	ARTICLE	IF	CITATIONS
19	Stabilization of networked control systems with clock offsets. , 2015, , .		7
20	Real-time control under clock offsets between sensors and controllers. , 2015, , .		7
21	Quantized Output Feedback Stabilization by Luenberger Observers. IFAC-PapersOnLine, 2017, 50, 2577-2582.	0.5	7
22	Secret Communication Systems Using Chaotic Wave Equations with Neural Network Boundary Conditions. Entropy, 2021, 23, 904.	1.1	7
23	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.	3.6	6
24	Stabilization of discrete-time piecewise affine systems with quantized signals. , 2015, , .		6
25	Stability analysis of perturbed infinite-dimensional sampled-data systems. Systems and Control Letters, 2020, 138, 104652.	1.3	6
26	Stability and $\ell^2$ -Gain Analysis of Adaptive Control Systems With Event-Triggered Try-Once-Discard Protocols. , 2018, 2, 157-162.		5
27	Backstepping Observers for Two Linearized Kermackâ€“McKendrick Models. IFAC-PapersOnLine, 2018, 51, 456-461.	0.5	5
28	Secure Communication Systems Using Distributed Parameter Chaotic Synchronization. Transactions of the Society of Instrument and Control Engineers, 2021, 57, 78-85.	0.1	5
29	Stable controller design for mixed sensitivity reduction of infinite-dimensional systems. Systems and Control Letters, 2014, 72, 80-85.	1.3	4
30	L2-gain analysis of systems with clock offsets. , 2016, , .		4
31	Boundary stabilization of first-order hyperbolic equations with input delay. Japan Journal of Industrial and Applied Mathematics, 2019, 36, 325-355.	0.5	4
32	Sampled-data output regulation of unstable well-posed infinite-dimensional systems with constant reference and disturbance signals. Mathematics of Control, Signals, and Systems, 2020, 32, 43-100.	1.4	4
33	State Estimation of Kermackâ€“McKendrick PDE Model With Latent Period and Observation Delay. IEEE Transactions on Automatic Control, 2021, 66, 4982-4989.	3.6	4
34	Dynamic analysis of bet-hedging strategies as a protection mechanism against environmental fluctuations. , 2016, , .		3
35	An LMI Approach to Stability Analysis of Coupled Parabolic Systems. IEEE Transactions on Automatic Control, 2020, 65, 404-411.	3.6	3
36	Observer for a First-order Hyperbolic System with Time Lag in Nonlocal Boundary Condition. Transactions of the Society of Instrument and Control Engineers, 2019, 55, 582-584.	0.1	3

#	ARTICLE	IF	CITATIONS
37	Quantized Feedback Stabilization of Sampled-Data Switched Linear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9979-9984.	0.4	2
38	Linear quadratic control for sampled-data systems with stochastic delays. , 2017, , .		2
39	Privacy-Preserved Cell Zooming with Distributed Optimization in Green Networks. , 2019, , .		2
40	The Cayley transform of the generator of a polynomially stable $C_0$ -semigroup. Journal of Evolution Equations, 2021, 21, 4575-4597.	0.6	2
41	Stability analysis of infinite-dimensional event-triggered and self-triggered control systems with Lipschitz perturbations. Mathematical Control and Related Fields, 2022, 12, 245.	0.6	2
42	Strong Stability of Sampled-Data Riesz-Spectral Systems. SIAM Journal on Control and Optimization, 2021, 59, 3498-3523.	1.1	2
43	Tangential Nevanlinna-Pick interpolation for strong stabilization of MIMO distributed parameter systems. , 2012, , .		1
44	Mixed sensitivity reduction for time-delay systems by stable controllers. , 2013, , .		1
45	L2-gain analysis of regenerative switched linear systems with sampled-data state-feedback control. , 2016, , .		1
46	LQ-Optimal Sampled-Data Control under Stochastic Delays: Gridding Approach for Stabilizability and Detectability. SIAM Journal on Control and Optimization, 2018, 56, 2634-2661.	1.1	1
47	Cell Zooming With Masked Data for Off-Grid Small Cell Networks: Distributed Optimization Approach. IEEE Transactions on Control Systems Technology, 2022, 30, 1696-1710.	3.2	1
48	Semi-uniform input-to-state stability of infinite-dimensional systems. Mathematics of Control, Signals, and Systems, 0, , .	1.4	1
49	Robust stability under asynchronous sensing and control. , 2016, , .		0
50	Estimation of Network Traffic Status for Networked Control Systems with Data Dropout and Its Control. , 2017, , .		0
51	$H^\infty$ Control Approach to Reduction of Energy Capacity of Energy Storage Systems. IEJ Transactions on Power and Energy, 2017, 137, 596-597.	0.1	0
52	Stability of infinite-dimensional sampled-data systems with unbounded control operators and perturbations. Systems and Control Letters, 2022, 162, 105170.	1.3	0