

# Masako Kishida

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

398  
citations

1040056

9  
h-index

996975

15  
g-index

61  
all docs

61  
docs citations

61  
times ranked

324  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robustness analysis, prediction, and estimation for uncertain biochemical networks: An overview. Journal of Process Control, 2016, 42, 14-34.	3.3	29
2	Event-triggered Control With Self-triggered Sampling for Discrete-time Uncertain Systems. IEEE Transactions on Automatic Control, 2019, 64, 1273-1279.	5.7	28
3	Geometric Programming for Optimal Positive Linear Systems. IEEE Transactions on Automatic Control, 2020, 65, 4648-4663.	5.7	26
4	Encrypted control system with quantiser. IET Control Theory and Applications, 2019, 13, 146-151.	2.1	25
5	Encrypted Average Consensus with Quantized Control Law. , 2018, , .		20
6	Decision Making for Autonomous Vehicles at Unsignalized Intersection in Presence of Malicious Vehicles. , 2019, , .		20
7	Skewed structured singular value-based approach for the construction of design spaces: theory and applications. IET Control Theory and Applications, 2014, 8, 1321-1327.	2.1	17
8	Efficient Polynomial-Time Outer Bounds on State Trajectories for Uncertain Polynomial Systems Using Skewed Structured Singular Values. IEEE Transactions on Automatic Control, 2014, 59, 3063-3068.	5.7	15
9	Deep Learning-Based Average Consensus. IEEE Access, 2020, 8, 142404-142412.	4.2	13
10	Optimal control of cellular uptake in tissue engineering. , 2008, , .		11
11	Combined event- and self-triggered control approach with guaranteed finite-gain stability for uncertain linear systems. IET Control Theory and Applications, 2017, 11, 1674-1683.	2.1	11
12	Robustness Analysis, Prediction and Estimation for Uncertain Biochemical Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1-20.	0.4	10
13	Model predictive approach to integrated path planning and tracking for autonomous vehicles. , 2019, , .		10
14	Ellipsoidal bounds on state trajectories for discrete-time systems with linear fractional uncertainties. Optimization and Engineering, 2015, 16, 695-711.	2.4	9
15	A Symbolic Approach to the Self-Triggered Design for Networked Control Systems. , 2019, 3, 1050-1055.		9
16	Distributed output regulation of heterogeneous uncertain linear agents. Automatica, 2020, 119, 109094.	5.0	9
17	Ellipsoid bounds on state trajectories for discrete-time systems with time-invariant and time-varying linear fractional uncertainties. , 2011, , .		8
18	Optimal control of one-dimensional cellular uptake in tissue engineering. Optimal Control Applications and Methods, 2013, 34, 680-695.	2.1	8

#	ARTICLE	IF	CITATIONS
19	Worst-case analysis of distributed parameter systems with application to the 2D reaction-diffusion equation. <i>Optimal Control Applications and Methods</i> , 2010, 31, 433-449.	2.1	7
20	State-constrained optimal spatial field control for controlled release in tissue engineering. , 2010, , .		7
21	A model-based approach for the construction of design spaces in quality-by-design. , 2012, , .		7
22	On the Analysis of the Eigenvalues of Uncertain Matrices by $u$ and $v$ : Applications to Bifurcation Avoidance and Convergence Rates. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 748-753.	5.7	7
23	Structured spatial control of the reaction-diffusion equation with parametric uncertainties. , 2010, , .		6
24	Efficient polynomial-time outer bounds on state trajectories for uncertain polynomial systems using skewed structured singular values. , 2011, , .		6
25	Event-triggered actuator signal update using self-triggered sampled data for uncertain linear systems. , 2017, , .		6
26	Circularly moving sensor for use of modulation effect. , 2013, , .		5
27	Direction of arrival estimation of harmonic signal using single moving sensor. , 2014, , .		5
28	Volume maximization of consistent parameter sets for linear fractional models. , 2014, , .		5
29	Temporal deep unfolding for constrained nonlinear stochastic optimal control. <i>IET Control Theory and Applications</i> , 2022, 16, 139-150.	2.1	5
30	RBF-based 2D optimal spatial control of the 3D reaction-convection-diffusion equation. , 2009, , .		4
31	Optimal spatial field control of distributed parameter systems. , 2009, , .		4
32	On the Analysis of Robust Stability of Metabolic Pathways [Focus on Education]. <i>IEEE Control Systems</i> , 2012, 32, 92-94.	0.8	4
33	Non-existence conditions of local bifurcations for rational systems with structured uncertainties. , 2014, , .		4
34	Quality-by-design by skewed spherical structured singular value. <i>IET Control Theory and Applications</i> , 2015, 9, 2202-2210.	2.1	4
35	Internal model control of infinite dimensional systems. , 2008, , .		3
36	Hands-off Control for Discrete-time Linear Systems subject to Polytopic Uncertainties. <i>IFAC-PapersOnLine</i> , 2018, 51, 355-360.	0.9	3

#	ARTICLE	IF	CITATIONS
37	Resource optimization of product development projects with time-varying dependency structure. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2019, 30, 435-452.	2.1	3
38	Discrete-time Maximum Hands-Off Control with Minimum Switches. , 2019, , .		3
39	Robust Output Regulation of Networked Heterogeneous Linear Agents by Distributed Internal Model Principle. , 2019, , .		3
40	Optimal resource allocation for dynamic product development process via convex optimization. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2021, 32, 71-90.	2.1	3
41	Quality-by-design by using the skewed spherical structured singular value. , 2013, , .		2
42	Verifying robust forward admissibility for nonlinear systems using (skewed) structured singular values. , 2016, , .		2
43	Approaches to Determining Box Consistent Parameter Sets for Polytopic Output Constraints on Linear Fractional Models Using Structured Singular Values. IEEE Transactions on Automatic Control, 2017, 62, 1417-1423.	5.7	2
44	Robust Anti-Windup Compensation for Normal Systems with Application to the Reaction-Diffusion Equation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 7316-7321.	0.4	1
45	Inversion-based output regulation of chemotaxis using a constrained influx of chemical signaling molecules. , 2013, , .		1
46	$\hat{\mu}$ -based approaches to determining guaranteed consistent and inconsistent parameter sets. , 2015, , .		1
47	On Problems Involving Eigenvalues for Uncertain Matrices by Structured Singular Values. IEEE Transactions on Automatic Control, 2017, 62, 6657-6663.	5.7	1
48	On computations of variance, covariance and correlation for interval data. Mechanical Systems and Signal Processing, 2017, 84, 462-468.	8.0	1
49	Self-triggered Control for Uniform Ultimate Boundedness using Skewed Structured Singular Values * *This work was supported by JSPS KAKENHI Grant Number 16H07412. IFAC-PapersOnLine, 2017, 50, 15313-15318.	0.9	1
50	Impossibility Results for Constrained Control of Stochastic Systems. IEEE Transactions on Automatic Control, 2021, , 1-1.	5.7	1
51	Instabilizability Conditions for Continuous-Time Stochastic Systems Under Control Input Constraints. , 2022, 6, 1430-1435.		1
52	An Impossibility Result Concerning Bounded Average-Moment Control of Linear Stochastic Systems. IFAC-PapersOnLine, 2020, 53, 2267-2272.	0.9	1
53	Design of multi-objective failure-tolerant control systems for infinite-dimensional systems. , 2013, , .		0
54	State bounds estimation for nonlinear systems using $\hat{\mu}$ -analysis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1661-1666.	0.4	0

#	ARTICLE	IF	CITATIONS
55	Optimal spatial field control for controlled release. Optimal Control Applications and Methods, 2015, 36, 968-984.	2.1	0
56	Event-triggered Control for Discrete-time Nonlinear Systems using State-dependent Riccati Equation. , 2018, , .		0
57	Encrypted control system with quantizer. , 2019, , .		0
58	Optimizing Product Development Projects under Asynchronous and Aperiodic System-Local Interactions. , 2019, , .		0
59	Resource-aware Controls for Cyber Physical Systems. Journal of the Robotics Society of Japan, 2022, 40, 199-202.	0.1	0
60	Temporal Deep Unfolding for Nonlinear Stochastic Optimal Control. IFAC-PapersOnLine, 2022, 55, 908-913.	0.9	0