

Yuki Nishimura

List of Publications by Year in descending order

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docs citations

67
times ranked

129
citing authors

#	ARTICLE	IF	CITATIONS
1	An iISS Framework for Stochastic Robustness of Interconnected Nonlinear Systems. IEEE Transactions on Automatic Control, 2016, 61, 1508-1523.	3.6	28
2	Stability of stochastic nonlinear systems in cascade with not necessarily unbounded decay rates. Automatica, 2015, 62, 51-64.	3.0	26
3	Online Controller Tuning via FRIT and Recursive Least-Squares. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 76-80.	0.4	20
4	FRIT for Systems with Dead-Zone and Its Application to Ultrasonic Motors. IEJ Transactions on Electronics, Information and Systems, 2011, 131, 1209-1216.	0.1	18
5	Control-theoretic analysis of exploitation and exploration of the PSO algorithm. , 2010, , .		14
6	Stochastic Asymptotic Stabilizers for Deterministic Input-Affine Systems Based on Stochastic Control Lyapunov Functions. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2013, E96.A, 1695-1702.	0.2	14
7	Global Asymptotic Stabilization of Nonlinear Deterministic Systems Using Wiener Processes. IEEE Transactions on Automatic Control, 2016, 61, 2318-2323.	3.6	12
8	A Feedback Linearization Method for Non-linear Control Systems Based on Model Error Compensator. Transactions of the Society of Instrument and Control Engineers, 2014, 50, 869-874.	0.1	9
9	Stochastic robustness of interconnected nonlinear systems in an iISS framework. , 2014, , .		8
10	Controller Parameter Tuning for Systems with Hysteresis and Its Application to Shape Memory Alloy Actuators. SICE Journal of Control Measurement and System Integration, 2012, 5, 162-168.	0.4	8
11	Stabilization of Brockett integrator using Sussmann-type artificial Wiener processes. , 2013, , .		6
12	Real-Time Estimation of Machining Error Caused by Vibrations of End Mill. Procedia CIRP, 2016, 46, 246-249.	1.0	6
13	Stabilization by Artificial Wiener Processes. IEEE Transactions on Automatic Control, 2016, 61, 3574-3579.	3.6	6
14	Stabilization problems of nonlinear systems using feedback laws with Wiener processes. , 2009, , .		5
15	FRIT with Dead-Zone Compensation and Its Application to Ultrasonic Motors. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 156-161.	0.4	5
16	Stability and stabilization of homogeneous stochastic systems. , 2013, , .		5
17	Stabilization by unbounded variation noises. International Journal of Robust and Nonlinear Control, 2016, 26, 4126-4147.	2.1	5
18	Convergence rates of stochastic homogeneous systems. Systems and Control Letters, 2019, 124, 33-39.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Decay rate and γ^2 gain analysis for the particle swarm optimization algorithm. Asian Journal of Control, 2012, 14, 125-136.	1.9	4
20	Stability Criteria for Cascaded Nonlinear Stochastic Systems Admitting Not Necessarily Unbounded Decay Rate. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 8616-8622.	0.4	4
21	A Lyapunov approach to iISS and iNSS for stochastic systems in path-wise probability. , 2015, , .		4
22	Integral input-to-state stabilization by stochastic noise generated in bounded regions. , 2015, , .		4
23	Conditions for local almost sure asymptotic stability. Systems and Control Letters, 2016, 94, 19-24.	1.3	4
24	Constructive design method of stochastic continuous feedback laws for stabilization of deterministic nonlinear systems. , 2013, , .		3
25	Finite-time stabilization of ultrasonic motor with stochastic compensator for chattering phenomena. , 2016, , .		3
26	Stochastic Lyapunov functions without differentiability at supposed equilibria. Automatica, 2018, 92, 188-196.	3.0	3
27	Development of Meal-Assistance Robot for People with Disabilities of Upper Limbs. Journal of Life Support Engineering, 2010, 22, 63-68.	0.1	2
28	Robust angle regulation for ultrasonic motor using CLF-based controller. , 2011, , .		2
29	Almost sure asymptotic stabilizability for deterministic systems with wiener processes. , 2012, , .		2
30	Effects of Oil Mist and Air Jet Flushing on Tool Wear in Milling of Ti6Al4V at High Speed. Procedia CIRP, 2016, 46, 95-98.	1.0	2
31	Strong Solutions of Stochastic Differential Equations in Finite-Time Stabilization. IFAC-PapersOnLine, 2018, 51, 266-271.	0.5	2
32	Rough Linearization By One-Dimensional Rough Paths. IFAC-PapersOnLine, 2018, 51, 320-325.	0.5	2
33	A Distributed Consensus Algorithm via LMI-Based Model Predictive Control and Primal-Dual Decomposition. SICE Journal of Control Measurement and System Integration, 2011, 4, 230-235.	0.4	2
34	Homogeneous stabilization of driftless input-affine systems using Wiener processes. , 2014, , .		1
35	Lyapunov Stability for Dynamical Systems Driven by Rough Paths—This work was partially supported by Grant-in-Aid for Young Scientists (B) of KAKENHI (25820184).. IFAC-PapersOnLine, 2015, 48, 994-999.	0.5	1
36	Stochastic Stability via Lyapunov Functions without Differentiability at Supposed Equilibria**This work was partially supported by Grant-in-Aid for Scientific Research (B) of KAKENHI (15H04022).. IFAC-PapersOnLine, 2016, 49, 321-326.	0.5	1

#	ARTICLE	IF	CITATIONS
37	A non-smooth stochastic Lyapunov function and its relationship with viscosity solutions. , 2017, , .		1
38	Stabilization of nonlinear systems by adding state-dependent rough signals. , 2017, , .		1
39	Local Controllability of Single-Input Nonlinear Systems Based on Deterministic Wiener Processes. IEEE Transactions on Automatic Control, 2020, 65, 354-360.	3.6	1
40	PID Controller Tuning Based on the Covariance Matrix Adaptation Evolution Strategy. IEEJ Transactions on Electronics, Information and Systems, 2010, 130, 737-742.	0.1	1
41	Fixed-Structure H ∞ Controller Synthesis Based on the Covariance Matrix Adaptation Evolution Strategy. SICE Journal of Control Measurement and System Integration, 2010, 3, 253-259.	0.4	1
42	Safety Confirmation System Using Ultrasonic Radar for Elderly People Living Alone. IEEJ Transactions on Industry Applications, 2011, 131, 202-207.	0.1	1
43	Conditions of Almost Sure Boundedness and Practical Asymptotic Stability of Continuous-Time Stochastic Systems. IFAC-PapersOnLine, 2020, 53, 2261-2266.	0.5	1
44	Stochastic Lyapunov function design using quantization of Markov process. , 2008, , .		0
45	Lyapunov Function Design using Quantization of Markov Process. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2808-2813.	0.4	0
46	Construction Method of Approximate Stochastic Lyapunov Functions using Quantization of Markov Process. Transactions of the Institute of Systems Control and Information Engineers, 2009, 22, 295-302.	0.1	0
47	A distributed consensus algorithm via LMI-based model predictive control and primal/dual decomposition methods. , 2010, , .		0
48	Schrödinger Equations for Constructing Infinite Time Horizon Optimal Regulators. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 8058-8063.	0.4	0
49	Estimation of Small Amplitude Pressure Wave in Gaseous Pipeline Using a Linear Kalman Filter. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2013, 79, 2830-2840.	0.2	0
50	Control design of active dynamic vibration absorber based on homogeneous control Lyapunov functions. , 2014, , .		0
51	Almost restoring problem of deterministic asymptotic stability against additive noises. , 2014, , .		0
52	Performance analysis of active dynamic vibration absorber controlled by homogeneous control Lyapunov functions. Transactions of the JSME (in Japanese), 2015, 81, 15-00373-15-00373.	0.1	0
53	Quasi-Optimal Regulators for Nonholonomic Systems Driven by Rough Paths—This work was partially supported by Grant-in-Aid for Young Scientists (B) of KAKENHI (25820184).. IFAC-PapersOnLine, 2015, 48, 51-56.	0.5	0
54	Stabilization of Artstein's circle by continuous stochastic feedback. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
55	Effects of Cutting Atmosphere on High-Speed End Milling Process for Titanium Alloy Ti6Al4V. Materials Science Forum, 2016, 874, 46-51.	0.3	0
56	Finite-time stability of state-dependent homogeneous systems. , 2017, , .		0
57	On Stochastic Finite-Time Stabilization with Continuous State-Feedback Controllers. IFAC-PapersOnLine, 2019, 52, 204-209.	0.5	0
58	On Design of Homogeneous Feedback Controllers for Finite-Time Stabilization of Stochastic Systems. Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and Its Applications, 2019, 2019, 34-39.	0.1	0
59	On Stability Analysis of Sliding-Mode Controlled Systems With Additive Noises. IFAC-PapersOnLine, 2021, 54, 647-652.	0.5	0
60	Alternative Representation of the Stability Condition for the Particle Swarm Optimization Algorithm. Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and Its Applications, 2010, 2010, 304-309.	0.1	0
61	Analysis of Particle Swarm Optimization Algorithms with Multiswarms and Time-Varying Parameters. Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and Its Applications, 2011, 2011, 277-282.	0.1	0
62	ç«1â†...â°äºæ°â@è`Žè«-â«ã-3/4ãªMã,ã»žç². IEJ Transactions on Industry Applications, 2012, 132, 132-132.	0.1	0
63	Stability Analysis of the Particle Swarm Optimization Algorithm Considering Interaction between Particles. Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and Its Applications, 2012, 2012, 266-270.	0.1	0
64	Almost Sure Asymptotic Stabilization Problems for Deterministic Affine Systems by Adding One-dimensional Wiener Processes. Transactions of the Society of Instrument and Control Engineers, 2013, 49, 432-439.	0.1	0
65	1707 Measurement of Cutting Temperature using Micro Sheathed Thermocouple Implanted in Cutting Tool Edge. Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21, 2015, 2015.8, _1707-1_-_1707-5_.	0.0	0
66	Simplification of control design for driftless nonholonomic systems based on rough path analysis. Nonlinear Theory and Its Applications IEICE, 2019, 10, 431-442.	0.4	0
67	Stochastic Lyapunov Stability for Rough Differential Equations. , 2019, , .		0