

Yuji Wakasa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10040876/publications.pdf>

Version: 2024-02-01

56
papers

171
citations

1684188

5
h-index

1474206

9
g-index

56
all docs

56
docs citations

56
times ranked

101
citing authors

#	ARTICLE	IF	CITATIONS
1	Decentralized model predictive control via dual decomposition. , 2008, , .		20
2	FRIT for Systems with Dead-Zone and Its Application to Ultrasonic Motors. IEEJ Transactions on Electronics, Information and Systems, 2011, 131, 1209-1216.	0.2	18
3	Control-theoretic analysis of exploitation and exploration of the PSO algorithm. , 2010, , .		14
4	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.	0.3	14
5	Online Controller Tuning via FRIT and Recursive Least-Squares. IEEJ Transactions on Electronics, Information and Systems, 2013, 133, 1950-1956.	0.2	13
6	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.	0.7	8
7	Intelligent IMC-PID control for ultrasonic motor. , 2009, , .		6
8	Stabilization problems of nonlinear systems using feedback laws with Wiener processes. , 2009, , .		5
9	Distributed particle swarm optimization using an average consensus algorithm. , 2015, , .		5
10	High Speed Genetic Lips Detection by Dynamic Search Domain Control. IEEJ Transactions on Electronics, Information and Systems, 2007, 127, 854-866.	0.2	5
11	Eye interface for physically impaired people by Genetic Eye Tracking. , 2007, , .		4
12	Decay rate and λ gain analysis for the particle swarm optimization algorithm. Asian Journal of Control, 2012, 14, 125-136.	3.0	4
13	Robust Controller Design for Sinusoidal PWM Inverters. IEEJ Transactions on Industry Applications, 2012, 132, 1104-1111.	0.2	4
14	Servo Control of Pneumatic Systems Considering Input and Output Constraints. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	3
15	Decentralized Model Predictive Control via Dual Decomposition. Transactions of the Institute of Systems Control and Information Engineers, 2009, 22, 357-363.	0.1	3
16	A Decentralized Consensus Algorithm via LMI-Based Model Predictive Control and Primal Decomposition. SICE Journal of Control Measurement and System Integration, 2009, 2, 277-282.	0.7	3
17	Stability and λ gain analysis for the particle swarm optimization algorithm. , 2009, , .		3
18	Ground material distinction method using reflection intensities obtained by ultrasonic sensor. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
19	Direct controller parameter tuning for systems with backlash. , 2014, , .		3
20	Fictitious reference iterative tuning considering friction. IEEJ Transactions on Electrical and Electronic Engineering, 2017, 12, 796-797.	1.4	3
21	Interactive Interface with Evolutionary Eye Sensing and Physiological Knowledge. IEEJ Transactions on Electronics, Information and Systems, 2009, 129, 1288-1295.	0.2	3
22	Controller Tuning for Sinusoidal PWM Inverters using FRIT. IEEJ Transactions on Industry Applications, 2013, 133, 859-860.	0.2	3
23	Modified Virtual Reference Feedback Tuning and Its Application to Shape Memory Alloy Actuators. SICE Journal of Control Measurement and System Integration, 2013, 6, 369-375.	0.7	3
24	Robust angle regulation for ultrasonic motor using CLF-based controller. , 2011, , .		2
25	Almost sure asymptotic stabilizability for deterministic systems with wiener processes. , 2012, , .		2
26	Fictitious reference iterative tuning considering input saturation. IEEJ Transactions on Electrical and Electronic Engineering, 2015, 10, S159.	1.4	2
27	Distributed Particle Swarm Optimization Based on Primal-Dual Decomposition Architectures. Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and Its Applications, 2015, 2015, 97-101.	0.2	2
28	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.	0.7	2
29	Stability Analysis of the Particle Swarm Optimization Algorithm. Transactions of the Institute of Systems Control and Information Engineers, 2010, 23, 9-15.	0.1	2
30	Variable Gain Type Internal Model Control-PID Speed Control for Ultrasonic Motors. IEEJ Transactions on Industry Applications, 2008, 128, 1326-1332.	0.2	1
31	Stability Analysis of the Particle Swarm Optimization Algorithm. Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and Its Applications, 2009, 2009, 131-136.	0.2	1
32	FRIT and RLS-based online controller tuning and its experimental validation. , 2013, , .		1
33	PID Controller Tuning Based on the Covariance Matrix Adaptation Evolution Strategy. IEEJ Transactions on Electronics, Information and Systems, 2010, 130, 737-742.	0.2	1
34	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.	0.7	1
35	A Control Engineering Approach to Real-Time and Network-Wide Traffic Signal Control. Transactions of the Society of Instrument and Control Engineers, 2006, 42, 1076-1082.	0.2	1
36	Evolutionary Video Processing for Lip Tracking. International Journal of Intelligent Computing in Medical Sciences and Image Processing, 2008, 2, 111-125.	0.5	1

#	ARTICLE	IF	CITATIONS
37	Elderly People Behavior Detection System Using Several Ultrasonic Radars. Journal of Life Support Engineering, 2012, 24, 159-164.	0.0	1
38	Scheduling of Electric Power Loads via Distributed Optimization Based on a Primal-Dual Perturbation Method. Transactions of the Institute of Systems Control and Information Engineers, 2016, 29, 250-257.	0.1	1
39	GA type IMC-PID control for pneumatic servo system. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 807-812.	0.4	0
40	A proposal of neural network architecture for nonlinear system modeling. Electronics and Communications in Japan, 2006, 89, 40-49.	0.2	0
41	Development of the detection and reporting device for patients' getting out of bed using ultrasonic radar and power line communication. , 2007, , .		0
42	Some extensions of the monotonic signal estimation method. , 2007, , .		0
43	A distributed consensus algorithm via LMI-based model predictive control and primal/dual decomposition methods. , 2010, , .		0
44	A new current control strategy based on the internal model principle for a current balancer in single-phase three-wire distribution systems. IEEJ Transactions on Electrical and Electronic Engineering, 2013, 8, S95-S101.	1.4	0
45	Adaptive Digital Filtering Based on a Continuous-time Performance Index. Transactions of the Society of Instrument and Control Engineers, 2003, 39, 569-574.	0.2	0
46	A Study on a Fall-Down Detection Method Based on a Body's Vertical Displacement. Journal of Life Support Engineering, 2008, 20, 93-100.	0.0	0
47	Improvements of Scheduled Model Predictive Control and its Application to Pneumatic Systems. IEEJ Transactions on Electronics, Information and Systems, 2009, 129, 671-677.	0.2	0
48	Decoupling of Getting Up Detection Device Using Ultrasonic Radar by Changing Duty Ratio of Transmission Wave. IEEJ Transactions on Industry Applications, 2010, 130, 599-604.	0.2	0
49	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.	0.2	0
50	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.	0.2	0
51	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.	0.2	0
52	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.	0.2	0
53	Controller Parameter Tuning Based on Particle Filtering. Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and Its Applications, 2013, 2013, 67-72.	0.2	0
54	Computation Time Reduction of Fuel Consumption Optimization for HEV by Using Reduced Data. Transactions of the Society of Instrument and Control Engineers, 2015, 51, 136-138.	0.2	0

#	ARTICLE	IF	CITATIONS
55	Adaptive Piyavskiiâ€“Shubert Algorithm and Its Application to Maximum Power Point Tracking Control. Journal of Control, Automation and Electrical Systems, 0, , 1.	2.0	0
56	Modified Lipschitz Optimization and its Application to Maximum Power Point Tracking Control for Photovoltaic Systems. IEEJ Transactions on Electrical and Electronic Engineering, 2022, 17, 816-822.	1.4	0