Yuji Wakasa

List of Publications by Year
in descending order

56	171	1684188	1474206
56 papers	**171** citations	**5** h-index	**9** g-index
56 all docs	**56** docs citations	**56** times ranked	**101** citing authors

#	Article	IF	Citations
1	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
2	Fictitious reference iterative tuning considering friction. IEEJ Transactions on Electrical and Electronic Engineering, 2017, 12, 796-797.	1.4	3
3	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
4	Distributed particle swarm optimization using an average consensus algorithm. , 2015, , .		5
5	Fictitious reference iterative tuning considering input saturation. IEEJ Transactions on Electrical and Electronic Engineering, 2015, 10, S159.	1.4	2
6	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
7	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
8	Direct controller parameter tuning for systems with backlash. , 2014, , .		3
9	FRIT and RLS-based online controller tuning and its experimental validation. , 2013, , .		1
10	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
11	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
12	Online Controller Tuning via FRIT and Recursive Least-Squares. IEEJ Transactions on Electronics, Information and Systems, 2013, 133, 1950-1956.	0.2	13
13	Controller Tuning for Sinusoidal PWM Inverters using FRIT. IEEJ Transactions on Industry Applications, 2013, 133, 859-860.	0.2	3
14	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
15	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
16	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
17	Ground material distinction method using reflection intensities obtained by ultrasonic sensor. , 2012, , .		3
18	Almost sure asymptotic stabilizability for deterministic systems with wiener processes. , 2012, , .		2

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19	Decay rate and l^2 gain analysis for the particle swarm optimization algorithm. Asian Journal of Control, 2012, 14, 125-136.	3.0	4
20	Robust Controller Design for Sinusoidal PWM Inverters. IEEJ Transactions on Industry Applications, 2012, 132, 1104-1111.	0.2	4
21	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
22	Elderly People Behavior Detection System Using Several Ultrasonic Radars. Journal of Life Support Engineering, 2012, 24, 159-164.	0.0	1
23	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
24	Robust angle regulation for ultrasonic motor using CLF-based controller. , 2011, , .		2
25	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
26	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
27	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
28	Control-theoretic analysis of exploitation and exploration of the PSO algorithm. , 2010, , .		14
29	A distributed consensus algorithm via LMI-based model predictive control and primal/dual decomposition methods. , 2010, , .		0
30	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
31	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
32	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
33	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
34	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
35	Decentralized Model Predictive Control via Dual Decomposition. Transactions of the Institute of Systems Control and Information Engineers, 2009, 22, 357-363.	0.1	3
36	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

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37	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
38	Stabilization problems of nonlinear systems using feedback laws with Wiener processes. , 2009, , .		5
39	Stability and l<sup>2</sup> gain analysis for the particle swarm optimization algorithm. , 2009, , .		3
40	Intelligent IMC-PID control for ultrasonic motor. , 2009, , .		6
41	Interactive Interface with Evolutionary Eye Sensing and Physiological Knowledge. IEEJ Transactions on Electronics, Information and Systems, 2009, 129, 1288-1295.	0.2	3
42	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
43	Decentralized model predictive control via dual decomposition. , 2008, , .		20
44	Variable Gain Type Internal Model Control-PID Speed Control for Ultrasonic Motors. IEEJ Transactions on Industry Applications, 2008, 128, 1326-1332.	0.2	1
45	Evolutionary Video Processing for Lip Tracking. International Journal of Intelligent Computing in Medical Sciences and Image Processing, 2008, 2, 111-125.	0.5	1
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	Eye interface for physically impaired people by Genetic Eye Tracking. , 2007, , .		4
48	Development of the detection and reporting device for patients' getting out of bed using ultrasonic radar and power line communication. , 2007, , .		0
49	Servo Control of Pneumatic Systems Considering Input and Output Constraints. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	3
50	Some extensions of the monotonic signal estimation method. , 2007, , .		0
51	High Speed Genetic Lips Detection by Dynamic Search Domain Control. IEEJ Transactions on Electronics, Information and Systems, 2007, 127, 854-866.	0.2	5
52	A proposal of neural network architecture for nonlinear system modeling. Electronics and Communications in Japan, 2006, 89, 40-49.	0.2	0
53	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
54	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

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55	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
56	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