Shiro Masuda

List of Publications by Year
in descending order

28	87	1937685 4	1720034 7
papers	citations	h-index	g-index

28	28	28	22
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dataâ€driven generalized minimum variance regulatory control using routine operation data. Asian Journal of Control, 2023, 25, 40-53.	3.0	2
2	A Generalized Minimum Variance Controller Based on a Modified Full-Order Observer Equivalent to Polynomial Approach. IEEJ Transactions on Electronics, Information and Systems, 2022, 142, 232-238.	0.2	1
3	Closed-loop identification of plant and disturbance models based on data-driven generalized minimum variance regulatory control. Journal of Process Control, 2022, 115, 197-208.	3.3	4
4	Preâ€Filter Design for Iterative Controller Parameter Tuning Using Dataâ€Driven Minimum Variance Regulatory Controllers. IEEJ Transactions on Electrical and Electronic Engineering, 2021, 16, 1429-1434.	1.4	0
5	A Response Predictionable Data-Driven PID Gain Update Method. IEEJ Transactions on Electronics, Information and Systems, 2021, 141, 999-1007.	0.2	3
6	Economic Performance Optimization by Set Point and Weighting Parameter Tuning based on LQG Controller Design. IEEJ Transactions on Electronics, Information and Systems, 2020, 140, 326-331.	0.2	0
7	Dataâ€driven Iâ€PD gain tuning using closedâ€loop step response data. Electronics and Communications in Japan, 2019, 102, 26-33.	0.5	1
8	Dataâ€driven minimum variance control using regulatory closedâ€loop data based on the FRIT method. Electronics and Communications in Japan, 2019, 102, 28-34.	0.5	1
9	Data-driven I-PD Gain Tuning Using Closed-loop Step Response Data. , 2019, , .		0
10	Economic Performance Optimization by Set Point and Weighting Parameter Tuning based on LQG Controller Design. , 2019, , .		0
11	Iterative PID Regulatory Control Design using Gradient Estimate of LQG evaluation. , 2019, , .		1
12	Gradient Based Pre-filter Design for Data-driven Parameter Updating for Regulatory Controller Based on Variance Evaluation. , 2019, , .		1
13	A Controller Tuning Method Based on Finite Impulse Response Estimation Using Closed-Loop Response Data. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 858-865.	0.2	15
14	Performance Improvement in Iterative Data-driven PID Gain Tuning Based on Generalized Minimum Variance Regulatory Control. , 2018, , .		1
15	Convergence property for iterative data-driven PID gain tuning based on generalized minimum variance regulatory control. , 2017, , .		8
16	Data-driven Control Parameter Tuning using Feedback Linearization. IEEJ Transactions on Electronics, Information and Systems, 2017, 137, 891-897.	0.2	2
17	Realization of FIR Prefilter for Virtual Reference Feedback Tuning. IEEJ Transactions on Electronics, Information and Systems, 2017, 137, 884-890.	0.2	5
18	Mode-Based Controller Design for Hammerstein Models Using Closed-Loop Tranjent Response Data. IEEJ Transactions on Electronics, Information and Systems, 2016, 136, 625-632.	0.2	0

#	Article	IF	Citations
19	Data-driven PID gain tuning for liquid level control of a single tank based on disturbance attenuation fictitious reference iterative tuning. , 2015, , .		1
20	Fictitious reference iterative tuning based on variance evaluation for disturbance attenuation in non-minimum phase plants. , 2015, , .		10
21	Data-driven generalized minimum variance regulatory control for model-free PID gain tuning. , 2015, , .		8
22	Self-tuning PID controller based on generalized minimum variance evaluation. , 2015, , .		2
23	Simultaneous update of model and controller using fictitious reference iterative tuning for disturbance attenuation based on variance evaluation. , 2014, , .		7
24	Design of FRIT Method using Optimal Pre-filter Based on Frequency Domain and its Application to the PID Gains Tuning. IEEJ Transactions on Electronics, Information and Systems, 2014, 134, 1247-1254.	0.2	7
25	A Direct Control Parameters Tuning Method Using CARMA Models Based on Gereralized Minimum Variance Evaluation. IEEJ Transactions on Electronics, Information and Systems, 2014, 134, 1255-1261.	0.2	2
26	Identification of Continuous-Time Systems Using Closed-Loop Transient Data. IEEJ Transactions on Electronics, Information and Systems, 2014, 134, 1206-1213.	0.2	1
27	A Direct Control Parameters Tuning Method Using CARMA Models Based on Minimum Variance Evaluation. IEEJ Transactions on Electronics, Information and Systems, 2014, 134, 1123-1129.	0.2	2
28	A DESIGN METHOD OF GENERALIZED MINIMUM VARIANCE CONTROL CONSIDERING SAFETY OF SAMPLED-DATA SYSTEMS. , 2007, , .		2