

# Natsuki Kawaguchi

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Dual-Rate Data-Driven Virtual Reference Feedback Tuning: Improvement in Fast-Tracking Performance and Ripple-Free Design. IEEE Access, 2021, 9, 144426-144437.	4.2	6
2	Consensus Control of Dual-Rate Multi-Agent Systems With Quantized Communication. IEEE Access, 2020, 8, 97557-97563.	4.2	4
3	Data-driven dual-rate cascade control and application to pitch angle control of UAV. Asian Journal of Control, 2023, 25, 54-65.	3.0	4
4	Fractional-Order LQR and State Observer for a Fractional-Order Vibratory System. Applied Sciences (Switzerland), 2021, 11, 3252.	2.5	3
5	Design of an Input-multiple Dual-rate Sampled-data Control System Using Null Space. Transactions of the Institute of Systems Control and Information Engineers, 2017, 30, 373-377.	0.1	3
6	Dual-rate control system extension using the null space of a closed-loop system. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15, 135-139.	1.4	2
7	A Design of Fault-tolerant Adaptive Control with External Signal Injection for Input-redundant Linear Plant. Transactions of the Institute of Systems Control and Information Engineers, 2017, 30, 386-394.	0.1	2
8	Steady-state Dual-rate Open-loop Transfer Function Model-based Ripple-free Design. IEEJ Transactions on Electrical and Electronic Engineering, 2021, 16, 1435-1437.	1.4	1
9	Active fault-diagnosis method using adaptive allocator and fault-tolerant adaptive control system design. ROBOMECH Journal, 2020, 7, .	1.6	1
10	Design of a Multi-rate Control System Using Null-Space in State-space Representation. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 287-292.	0.2	1
11	A Fault-Tolerant Adaptive Control Design and Fault Detection with Input Redundancy for a 2-input Redundant Plant. Transactions of the Institute of Systems Control and Information Engineers, 2017, 30, 330-337.	0.1	1
12	Steady-state Compensation on SAC and Its Application to a Rotation Control System. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 330-333.	0.2	1
13	A Null-space Compensation Control for 2-input Redundant Plant Based on Model Reference Adaptive Control. Transactions of the Society of Instrument and Control Engineers, 2020, 56, 293-298.	0.2	1
14	A Null-Space Compensation Control for Multi-input Redundant Plant Based on Model Reference Adaptive Control. Transactions of the Society of Instrument and Control Engineers, 2022, 58, 229-235.	0.2	1
15	Extension of a dual-rate control system using null-space. , 2017, , .		0
16	A proposal for a nonlinear Kalman filter using state dependent linear representation system and its performance analysis by numerical simulations. Transactions of the JSME (in Japanese), 2021, 87, 20-00387-20-00387.	0.2	0
17	Active Fault Diagnosis Design for Redundantly Driven Active Vibration Isolation Tables. IEEJ Transactions on Electronics, Information and Systems, 2021, 141, 288-294.	0.2	0
18	An Approach for the Antagonistic Control Using the Adaptive Control Allocator. Transactions of the Institute of Systems Control and Information Engineers, 2017, 30, 407-409.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Design of a multi-rate control system in state-space representation using input redundancy. Transactions of the JSME (in Japanese), 2019, 85, 18-00400-18-00400.	0.2	0
20	Improvement in Intersample Response of Multirate Optimal Control. Proceedings of International Conference on Artificial Life and Robotics, 2019, 24, 455-458.	0.1	0
21	An Adaptive Allocator Design for An Input Redundant System with Two Input Channels. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 323-329.	0.2	0
22	Data-driven Control for Output-multiple Dual-rate Systems. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 484-485.	0.2	0
23	Extension of the Dual-rate Control System Independent of the Discrete-time Output Response. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 889-890.	0.2	0
24	Objective Evaluation of the Educational Effects on the Feedforward, Feedback and PID Control*. Proceedings of International Conference on Artificial Life and Robotics, 2020, 25, 230-232.	0.1	0
25	A Design Method of Online Reference Governor for Input Restriction System Using Particle Swarm Optimization. IEEJ Transactions on Electronics, Information and Systems, 2022, 142, 322-327.	0.2	0
26	A Design of Fault Diagnosis System using Multilayer Perceptron for Multi-Agent Consensus Control System. IEEJ Transactions on Electronics, Information and Systems, 2022, 142, 257-263.	0.2	0
27	Transient Response Improvement Using Disturbance Compensator for the Simple Adaptive Control System with the Null-space Adjustor. IEEJ Transactions on Electronics, Information and Systems, 2022, 142, 264-272.	0.2	0
28	Add-On Type Data-Driven Ripple-Free Dual-Rate Control Design Based on the Null Space of Steady-State Step Responses. Machines, 2022, 10, 296.	2.2	0