

Ikuro Mizumoto

List of Publications by Year in descending order

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136
papers

797
citations

933447

10
h-index

610901

24
g-index

136
all docs

136
docs citations

136
times ranked

254
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of discrete time adaptive PID control systems with parallel feedforward compensator. Control Engineering Practice, 2010, 18, 168-176.	5.5	99
2	Simplified adaptive model output following control for plants with unmodelled dynamics. International Journal of Control, 1996, 64, 61-80.	1.9	83
3	Adaptive output feedback control of general MIMO systems using multirate sampling and its application to a cart-crate crane system. Automatica, 2007, 43, 2077-2085.	5.0	79
4	Output feedback strict passivity of discrete-time nonlinear systems and adaptive control system design with a PFC. Automatica, 2010, 46, 1503-1509.	5.0	53
5	Simple adaptive control of processes with time-delay. Journal of Process Control, 1997, 7, 439-449.	3.3	42
6	Robust parallel compensator design for output feedback stabilization of plants with structured uncertainty. Systems and Control Letters, 1999, 36, 193-198.	2.3	42
7	Performance-Driven Adaptive Output Feedback Control with Direct Design of PFC. Journal of Robotics and Mechatronics, 2015, 27, 461-468.	1.0	18
8	Adaptive output predictor based adaptive predictive control with ASPR constraint. Automatica, 2015, 57, 152-163.	5.0	17
9	Adaptive output regulation of nonlinear systems based on output feedback and NN feedforward control. , 2009, , .		12
10	Adaptive output regulation of a class of discrete-time nonlinear systems based on output feedback and NN feedforward control. , 2010, , .		12
11	Spectral Cues for Robust Sound Localization with Pinnae. , 2006, , .		11
12	Adaptive PID control system design for non-linear systems. International Journal of Modelling, Identification and Control, 2009, 6, 230.	0.2	11
13	Output Feedback Control of Multirate Sampled Systems with an Adaptive Output Estimator and Its Application to a Liquid Level Process Control. Journal of System Design and Dynamics, 2010, 4, 314-330.	0.3	11
14	Model-based control system for advanced diesel combustion. IFAC-PapersOnLine, 2019, 52, 171-177.	0.9	11
15	Model free design of PFC for adaptive output feedback control and application to a control of magnetic levitation system. , 2010, , .		10
16	Adaptive Combustion Control System Design of Diesel Engine via ASPR Based Adaptive Output Feedback with a PFC. Journal of Robotics and Mechatronics, 2016, 28, 664-673.	1.0	10
17	Flight path control of small unmanned air vehicle. Journal of Field Robotics, 2006, 23, 223-244.	6.0	9
18	Adaptive predictive control system design with an adaptive output estimator. , 2012, , .		9

#	ARTICLE	IF	CITATIONS
19	Fast-rate output feedback control system design with adaptive output estimator for nonuniformly sampled multirate systems. International Journal of Adaptive Control and Signal Processing, 2014, 28, 686-707.	4.1	9
20	Adaptive Output Feedback based Output Tracking Control with Adaptive Parallel Feedforward Compensator. IFAC-PapersOnLine, 2017, 50, 5319-5325.	0.9	9
21	A Discrete SAC System with Parallel Feedforward Compensators. Transactions of the Society of Instrument and Control Engineers, 1998, 34, 96-104.	0.2	9
22	Multivariable Stable PID Controller Design with Parallel Feedforward Compensator. , 2006, , .		8
23	Accuracy of Identification and Control Performance in 3 Parameter Process Model Approximations(Identification by Prony's Method and Examination through Model-Driven PID Control) Tj ETQq1 1 0,784314 pgBT /Overl Engineers. Part C. 2005. 71. 589-596.	0.2	8
24	Fast-rate adaptive output feedback control with adaptive output estimator for non-uniformly sampled multirate systems. , 2011, , .		7
25	Shape Memory Alloy Actuator with Simple Adaptive Control. , 2007, , .		6
26	Adaptive PID controller design based on output feedback passivity for discrete-time nonlinear systems. , 2009, , .		6
27	Control of a magnetic levitation system via output feedback based two DOF control with an adaptive predictive feedforward input. , 2015, , .		6
28	Output Feedback-Based Output Tracking Control with Adaptive Output Predictive Feedforward for Multiple-Input Multiple-Output Systems. Industrial & Engineering Chemistry Research, 2019, 58, 11382-11391.	3.7	6
29	Design and Experimental Evaluation of a Discrete-time ASPR-based Adaptive Output Feedback Control System Using FRIT. Asian Journal of Control, 2019, 21, 499-508.	3.0	6
30	Model Free Design of Parallel Feedforward Compensator for Adaptive Output Feedback Control via FRIT with T-S Fuzzy Like Model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 139-144.	0.4	5
31	Parallel feedforward compensator design and ASPR based adaptive output feedback control for a time-delay system. , 2013, , .		5
32	Adaptive output feedback control with predictive feedforward input based on extended output estimator. , 2017, , .		5
33	PFC design via FRIT Approach for Adaptive Output Feedback Control of Discrete-time Systems. IEEE Transactions on Electronics, Information and Systems, 2012, 132, 834-841.	0.2	5
34	ADAPTIVE OUTPUT FEEDBACK CONTROL OF UNCERTAIN MIMO NONLINEAR SYSTEMS WITH UNKNOWN ORDERS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 25-30.	0.4	4
35	Adaptive Stable PID Controller with Parallel Feedforward Compensator. , 2006, , .		4
36	Robust Attitude Control of Vectored Thrust Aerial Vehicles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2607-2613.	0.4	4

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37	PFC Design via FRIT Approach and Adaptive PID Control System Design for Discrete-time Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 64-69.	0.4	4
38	PFC Design via FRIT Approach for Adaptive Output Feedback Control of Discrete-time Systems. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2014, 187, 24-32.	0.4	4
39	Notice of Removal Output feedback based 2DOF control with a robust predictive feedforward input. , 2015, , .		4
40	Adaptive Output Feedback Control System Design with Adaptive Feedforward Input for MIMO Systems with the Relative Degree of Zero. IEEJ Transactions on Electronics, Information and Systems, 2018, 138, 556-565.	0.2	4
41	Simple Adaptive Control Systems Design for Processes with Uncertainty. Transactions of the Society of Instrument and Control Engineers, 1999, 35, 852-860.	0.2	4
42	An Experimental Evaluation of a PFC-Based Simple Adaptive Control on a Process with Higher Order Lag Elements. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 5375-5380.	0.4	3
43	Simple Adaptive Control with a Parallel Feedforward Compensator for Processes with Time Delay. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 1417-1422.	0.4	3
44	Robust Parallel Compensator for Output Feedback Stabilization of Processes with Uncertainties. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 39-44.	0.4	3
45	OUTPUT FEEDBACK TRACKING SLIDING MODE CONTROL WITH PARALLEL FEEDFORWARD COMPENSATOR. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 730-735.	0.4	3
46	Anti-windup adaptive PID control for a magnetic levitation system with a PFC based on time-varying ASPR model. , 2011, , .		3
47	Adaptive Output Feedback Control System Design for Slip Control of a Lock-Up Clutch Time-Delay System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 472-476.	0.4	3
48	Design of a discrete-time ASPR based adaptive output feedback control system with a feedforward input. , 2017, , .		3
49	Adaptive output feedback based output tracking control for uncertain nonlinear systems via T-S fuzzy model. , 2017, , .		3
50	ASPR based Output Feedback Control with an Adaptive Predictive Feedforward Input for MIMO Systems. IFAC-PapersOnLine, 2017, 50, 5313-5318.	0.9	3
51	Design of Combustion Control System Based on Adaptive Output Feedback for Premixed Diesel Combustion. IFAC-PapersOnLine, 2019, 52, 165-170.	0.9	3
52	Design of PCA-based Data-Driven Adaptive Output Feedback Control for Nonlinear Systems. , 2019, , .		3
53	Adaptive Anti-Windup Control System Design for ASPR-based Adaptive Output Feedback Control. IFAC-PapersOnLine, 2019, 52, 37-42.	0.9	3
54	Adaptive Output Feedback Control System Design for Diesel Engine with Triple Fuel Injection. The Proceedings of the International Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines, 2017, 2017.9, C109.	0.1	3

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55	Adaptive PID Control System with Adaptive NN Feedforward for Discrete-Time Systems. IEEE Transactions on Electronics, Information and Systems, 2014, 134, 1175-1181.	0.2	3
56	Adaptive Output Regulation of Unknown Linear Systems with Unknown Exosystems. , 0, , .		3
57	Output Feedback Sliding Mode Control for Time Delay Systems. , 2006, , .		2
58	Adaptive output regulation of unknown MIMO linear systems with unknown exosystems. , 2007, , .		2
59	Output feedback control of multirate sampled systems with an adaptive output estimator. , 2008, , .		2
60	2 DOF adaptive PID control with a parallel feedforward compensator for nonlinear systems. , 2009, , .		2
61	Fast Rate Adaptive Output Feedback Control of Multirate Sampled Systems with an Adaptive Output Estimator. , 2009, , .		2
62	Fast-rate Output Feedback Control with Adaptive Output Estimator for Non-uniformly Sampled Multirate Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6541-6548.	0.4	2
63	High gain adaptive control for a class of uncertain non-holonomic systems. International Journal of Advanced Mechatronic Systems, 2011, 3, 230.	0.2	2
64	Performance-Driven Adaptive Control System Design with a PFC Designed by System's Input/Output Data. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 570-575.	0.4	2
65	Simple adaptive control system design for a quadrotor with an internal PFC. , 2014, , .		2
66	ASPR based adaptive output feedback control system design via T-S fuzzy model for nonlinear systems. , 2014, , .		2
67	Performance-driven adaptive output feedback control and its application to two-tank system. , 2014, , .		2
68	Stable Adaptive Predictive Control System Design via Adaptive Output Predictor for Multi-rate Sampled Systems—This work was partially supported by KAKENHI, the Grant-in-Aid for Scientific Research (C) 25420444, from the Japan Society for the Promotion of Science (JSPS).. IFAC-PapersOnLine, 2015, 48, 1039-1044.	0.9	2
69	Temperature Variation Compensation Using Correlation in Pressure Change Leakage Tests. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2016, 138, .	1.6	2
70	Parameter optimization of simple adaptive control via differential evolution. , 2017, , .		2
71	Design of Discrete Time Output Feedback Control System with Adaptive Parallel Feedforward Compensator. , 2018, , .		2
72	Adaptive PID Control System Design Based on ASPR Property of Systems. , 0, , .		2

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73	Robust Adaptive Control for Strict-Feedback Nonlinear Systems with Non-parametric Uncertainties. Transactions of the Society of Instrument and Control Engineers, 2002, 38, 1069-1078.	0.2	2
74	Adaptive Output Feedback Control for MIMO Nonlinear Systems based on Feedback Exponential Passivity. Transactions of the Society of Instrument and Control Engineers, 2001, 37, 115-124.	0.2	2
75	STABLE PID CONTROLLER DESIGN VIA PARALLEL FEEDFORWARD COMPENSATOR. , 2007, , .		2
76	Adaptive Output Feedback Control System Design for MIMO Plants with Unknown Plant Orders. Transactions of the Society of Instrument and Control Engineers, 1997, 33, 359-367.	0.2	2
77	Design and Experimental Evaluation of an Adaptive Output Feedback Control System Based on ASPR-Ness. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 2956-2962.	0.3	2
78	ASPR-based Adaptive Feedback Control with Adaptive PFC and FF Input based on RBF NN for Unstable Systems. , 2021, , .		2
79	A Parallel Feedforward Compensator for MIMO Plants Virtually Realizing an Almost Strictly Positive Real Plant. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 5292-5297.	0.4	1
80	Simple Adaptive Control for MIMO Plants with Unmodelled Dynamics and its Application to Processes with Higher Order Lag Elements. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 451-456.	0.4	1
81	Simple adaptive control for positioning of pneumatic cylinder with adverse stick-slip. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 87-92.	0.4	1
82	Multivariable PID Control Systems Design by Stable Partial Model Matching on Frequency Domain. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2005, 71, 1284-1291.	0.2	1
83	Robust Adaptive Output Feedback Control of MIMO Systems Using Multirate Sampling. , 2006, , .		1
84	PID Controller Design Based on ASPR-ness by Using Partial Model Matching on Frequency Domain. , 2006, , .		1
85	Dual-rate Robust Adaptive Control of a Cart-crane System. , 2006, , .		1
86	Output feedback control of dual-rate sampled systems using an adaptive output estimator. , 2007, , .		1
87	MIMO ADAPTIVE OUTPUT FEEDBACK SLIDING MODE CONTROL WITH PARALLEL FEEDFORWARD COMPENSATOR FOR LINEAR SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 127-132.	0.4	1
88	Stereo Sound Field Controller Design Using Partial Model Matching on the Frequency Domain. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2007, 1, 170-180.	0.7	1
89	High gain adaptive output feedback control of nonlinear systems with some uncertainties in control input term. , 2008, , .		1
90	The application of a PID parameter tuning method based on model matching on frequency domain for printer ink-head speed control. , 2009, , .		1

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91	Simple adaptive control using neural networks with offset error reduction for SISO nonlinear systems. , 2009, , .		1
92	Performance-driven adaptive output feedback control system with a PFC designed via FRIT approach. International Journal of Advanced Mechatronic Systems, 2012, 4, 149.	0.2	1
93	Control of a flexible arm with input dead zone by a passivity based adaptive output feedback. , 2012, , .		1
94	Simple Adaptive Control for a Class of Mechanical Systems and its Application to a Quadrotor Helicopter. , 2013, , .		1
95	Predictive control system design with adaptive output estimator for non-uniformly sampled multi-rate systems and its application to liquid level control. , 2014, , .		1
96	Output tracking control of discrete-time nonlinear systems by adaptive PID based on output feedback passivity. , 2014, , .		1
97	Output tracking control of discrete-time nonlinear systems by output feedback passivity based adaptive PID. , 2015, , .		1
98	Combustion Control System Design of Diesel Engine via ASPR based Output Feedback Control Strategy with a PFC. Journal of Physics: Conference Series, 2016, 744, 012104.	0.4	1
99	Parallel feedforward compensator and adaptive output feedback control system design based on multi-model. , 2016, , .		1
100	A Design Technique of Adaptive Control System of SAC with Adaptive PFC for the Twin-rotor Helicopter and its Verification. Transactions of the Institute of Systems Control and Information Engineers, 2017, 30, 379-385.	0.1	1
101	Adaptive Output Feedback Control System Design with Adaptive PFC for Combustion Control of Diesel Engine. IFAC-PapersOnLine, 2018, 51, 510-515.	0.9	1
102	Design of a Data-Driven Adaptive Control based on OFSP for Discrete Nonlinear Systems. Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and Its Applications, 2018, 2018, 86-91.	0.2	1
103	Augmented Anti-Windup Control for PI Control System via ASPR based Adaptive Output Feedback with a PFC. , 2018, , .		1
104	Adaptive output regulation based on internal model principle for systems, with uncertain disturbances and reference signals. SICE Journal of Control Measurement and System Integration, 2021, 14, 169-179.	0.7	1
105	Anti-Windup Predictive Control for an Engine Air Path System. IFAC-PapersOnLine, 2021, 54, 194-199.	0.9	1
106	Adaptive Output Feedback Control Design with Adaptive Parallel Feedforward Compensator and Feedforward Input via Kernel Method for Nonlinear System. IEEJ Transactions on Electrical and Electronic Engineering, 2021, 16, 1378-1389.	1.4	1
107	ASPR based Adaptive Output Regulation for System with Uncertain Disturbances. , 2020, , .		1
108	A Parallel Feedforward Compensator Realizing ASPRness for Plants with Structured Uncertainty. Transactions of the Society of Instrument and Control Engineers, 1997, 33, 60-62.	0.2	1

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109	ASPR based adaptive output tracking control system design with an adaptive PFC for minimum-phase systems. , 2016, , .		1
110	Parameter Optimization with Input/Output Data via DE for Adaptive Control System with Neural Network. Journal of Robotics, Networking and Artificial Life, 2018, 5, 19.	0.4	1
111	PFC Design Method with Input/Output Data of Controlled System via DE. IEEJ Transactions on Electronics, Information and Systems, 2018, 138, 492-497.	0.2	1
112	Output Tracking Control Based on Output Feedback with Adaptive PFC for Discrete-Time Systems. IFAC-PapersOnLine, 2020, 53, 3809-3814.	0.9	1
113	ASPR based Output Regulation with Adaptive PFC and Feedforward Input via Kernel Method. IFAC-PapersOnLine, 2020, 53, 1671-1676.	0.9	1
114	Modelling and Output Predictive Control of Engine Air Path Systems for Intake Fresh-air and Exhaust Gas Recirculation. IFAC-PapersOnLine, 2021, 54, 7-14.	0.9	1
115	Adaptive output feedback control with cerebellar model articulation controller-based adaptive PFC and feedforward input. SICE Journal of Control Measurement and System Integration, 2022, 15, 48-61.	0.7	1
116	OFEP based Adaptive Anti-Windup Control for Nonlinear Systems and Its Stability Analysis. , 2021, , .		1
117	Discrete Adaptive State Feedback Control Based on a Strict Positive Realness and Its Application to the Liquid Container Transfer System.. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 1998, 41, 371-377.	0.3	0
118	A Switching Adaptive Output Feedback Control System Based on Almost Strictly Positive Real-ness. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 645-650.	0.4	0
119	Stereo Sound Field Controller Design by Using Partial Model Matching on Frequency Domain. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2005, 71, 505-512.	0.2	0
120	Online sound field controller design using partial model matching on the frequency domain. , 2007, , .		0
121	High gain adaptive output feedback control of nonlinear systems with time-varying uncertainties in control input term. , 2008, , .		0
122	ASPR based output feedback control with an adaptive predictive feedforward input. , 2015, , .		0
123	Adaptive output feedback control with one-step output predictive forward input for discrete-time systems with a relative degree of zero. , 2017, , .		0
124	PFC design method with input/output data of controlled system via DE. Electronics and Communications in Japan, 2018, 101, 48-54.	0.5	0
125	Design of OFSP-Based Adaptive Output Feedback Control for Non Linear Systems Using Data-Driven Approach. , 2019, , .		0
126	Adaptive Output Feedback Control with an Adaptive Predictive Feedforward Input for Continuous-Time Systems. IFAC-PapersOnLine, 2019, 52, 216-221.	0.9	0

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127	Two-Degree-of-freedom Control Design with Adaptive Predictive Control and Adaptive Feedback Control for Continuous-Time MIMO Systems. IEEJ Transactions on Electronics, Information and Systems, 2021, 141, 249-257.	0.2	0
128	Adaptive High Gain Feedback Control of Nonholonomic Systems with Uncertain Control Coefficients. SICE Journal of Control Measurement and System Integration, 2012, 5, 319-325.	0.7	0
129	D22 Adaptive Trajectory Tracking Control of a Quadrotor. The Proceedings of the Symposium on the Motion and Vibration Control, 2013, 2013.13, _D22-1_-_D22-9_.	0.0	0
130	PFC Design via FRIT with T-S Fuzzy Like Model for Discrete-Time Adaptive Control Systems. IEEJ Transactions on Electronics, Information and Systems, 2013, 133, 1120-1128.	0.2	0
131	A Parallel Feedforward Compensator Realizing ASPR Multi-input Multi-output Plant. Transactions of the Society of Instrument and Control Engineers, 1996, 32, 887-895.	0.2	0
132	Parameter Optimization with Input/Output Data via DE for Adaptive Control System with Neural Network. Proceedings of International Conference on Artificial Life and Robotics, 2018, 23, 338-341.	0.1	0
133	Adaptive Output Feedback Control with Predictive Control Input via Model Free PFC and the Practical Utility. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 1167-1174.	0.2	0
134	Adaptive Output Feedback Control of Premixed Diesel Combustion using a Discrete Dynamics Model. , 0, , .		0
135	Model-based Control of Premixed Diesel Combustion. Transactions of the Society of Instrument and Control Engineers, 2020, 56, 176-186.	0.2	0
136	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