

Xiaoe Ruan

List of Publications by Year in descending order

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48
papers

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citations

840776
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all docs

48
docs citations

48
times ranked

247
citing authors

#	ARTICLE	IF	CITATIONS
1	Decentralized Iterative Learning Control to Large-Scale Industrial Processes for Nonrepetitive Trajectory Tracking. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2008, 38, 238-252.	2.9	63
2	Convergence Properties of Iterative Learning Control Processes in the Sense of the Lebesgue p -Norm. Asian Journal of Control, 2012, 14, 1095-1107.	3.0	47
3	Networked iterative learning control approach for nonlinear systems with random communication delay. International Journal of Systems Science, 2016, 47, 3960-3969.	5.5	45
4	Iterative Learning Control for Discrete-Time Systems With Full Learnability. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 629-643.	11.3	34
5	Networked iterative learning control design for discrete-time systems with stochastic communication delay in input and output channels. International Journal of Systems Science, 2017, 48, 1844-1855.	5.5	33
6	Pulse compensation for PD-type iterative learning control against initial state shift. International Journal of Systems Science, 2012, 43, 2172-2184.	5.5	32
7	Networked Iterative Learning Control Design for Nonlinear Systems with Stochastic Output Packet Dropouts. Asian Journal of Control, 2018, 20, 1077-1087.	3.0	29
8	Convergence characteristics of PD-type iterative learning control in discrete frequency domain. Journal of Process Control, 2014, 24, 86-94.	3.3	23
9	Iterative learning control for uncertain nonlinear networked control systems with random packet dropout. International Journal of Robust and Nonlinear Control, 2019, 29, 3529-3546.	3.7	23
10	Optimized Iterative Learning Control for Linear Discrete-Time-Invariant Systems. IEEE Access, 2019, 7, 75378-75388.	4.2	14
11	Iterative learning control for a class of uncertain nonlinear systems with current state feedback. International Journal of Systems Science, 2019, 50, 1889-1901.	5.5	13
12	Convergence properties of two networked iterative learning control schemes for discrete-time systems with random packet dropout. International Journal of Systems Science, 2018, 49, 2682-2694.	5.5	12
13	Data-based iterative learning mechanism for unknown input-output coupling parameters/matrices. International Journal of Robust and Nonlinear Control, 2020, 30, 1275-1297.	3.7	10
14	Iterative learning controllers with time-varying gains for large-scale industrial processes to track trajectories with different magnitudes. International Journal of Systems Science, 2008, 39, 513-527.	5.5	9
15	Learning-Gain-Adaptive Iterative Learning Control to Linear Discrete-Time-Invariant Systems. IEEE Access, 2019, 7, 98934-98945.	4.2	9
16	Analysis of Iterative Learning Control for a Class of Linear Discrete-Time Switched Systems. Abstract and Applied Analysis, 2015, 2015, 1-8.	0.7	8
17	Convergence analysis in sense of Lebesgue- p norm of decentralized non-repetitive iterative learning control for linear large-scale systems. Journal of Systems Science and Complexity, 2009, 22, 422-434.	2.8	7
18	Spatial Iterative Learning Control for Pitch of Wind Turbine. , 2018, , .		7

#	ARTICLE	IF	CITATIONS
19	Equivalence and convergence of two iterative learning control schemes with state feedback. International Journal of Robust and Nonlinear Control, 2022, 32, 1561-1582.	3.7	7
20	Robust adaptive iterative learning control for nonrepetitive systems with iteration-varying parameters and initial state. International Journal of Machine Learning and Cybernetics, 2021, 12, 2327-2337.	3.6	6
21	Input-output-driven gain-adaptive iterative learning control for linear discrete-time-invariant systems. International Journal of Robust and Nonlinear Control, 2021, 31, 8551-8568.	3.7	6
22	Discrete Fourier transform based frequency characteristics of iterative learning control for linear discrete-time systems. Advances in Difference Equations, 2019, 2019, .	3.5	5
23	Iterative learning control for linear continuous-time switched systems with observation noise. Transactions of the Institute of Measurement and Control, 2019, 41, 1178-1185.	1.7	5
24	Iterative Learning Control for Nonlinear Switched Systems With Constant Time Delay and Noise. IEEE Access, 2020, 8, 3827-3836.	4.2	5
25	Linearly monotonic convergence of nonlinear parameter-optimal iterative learning control to linear discrete-time-invariant systems. International Journal of Robust and Nonlinear Control, 2021, 31, 3955-3981.	3.7	5
26	Monotone convergence rate of norm-optimal-gain-adaptive iterative learning control for LDTI systems. Asian Journal of Control, 0, .	3.0	5
27	Optimal Learning Control Scheme for Discrete-Time Systems With Nonuniform Trials. IEEE Transactions on Cybernetics, 2023, 53, 3639-3650.	9.5	5
28	Quasi-Newton-type optimized iterative learning control for discrete linear time invariant systems. Control Theory and Technology, 2015, 13, 256-265.	1.6	4
29	Networked iterative learning control for linear-time-invariant systems with random packet losses. , 2016, .		4
30	Adaptive Iterative Learning Control of Switched Nonlinear Discrete-Time Systems With Unmodeled Dynamics. IEEE Access, 2019, 7, 118370-118380.	4.2	4
31	Monotonic convergence and robustness of higher-order gain-adaptive iterative learning control. International Journal of Robust and Nonlinear Control, 2020, 30, 3960-3981.	3.7	4
32	Linearly Monotonic Convergence and Robustness of P-Type Gain-Optimized Iterative Learning Control for Discrete-Time Singular Systems. IEEE Access, 2021, 9, 58337-58350.	4.2	4
33	Robustness of discrete-time iterative learning control for networked control systems with data dropouts. , 2015, .		3
34	Adaptive iterative learning control for switched discrete-time systems with stochastic measurement noise. Transactions of the Institute of Measurement and Control, 2020, 42, 259-271.	1.7	3
35	Modelling the Periodic Outbreak of Measles in Mainland China. Mathematical Problems in Engineering, 2020, 2020, 1-13.	1.1	3
36	Measles dynamics on network models with optimal control strategies. Advances in Difference Equations, 2021, 2021, 138.	3.5	3

#	ARTICLE	IF	CITATIONS
37	Iterative learning fault-tolerant control for discrete-time nonlinear systems subject to stochastic actuator faults. Transactions of the Institute of Measurement and Control, 2022, 44, 2012-2023.	1.7	3
38	Data-Driven Networked Optimal Iterative Learning Control for Discrete Linear Time-Varying Systems with One-Operation Bernoulli-Type Communication Delays. Discrete Dynamics in Nature and Society, 2017, 2017, 1-12.	0.9	2
39	A joint control protocol for a class of uncertain nonlinear systems with iteration-varying trial length. International Journal of Systems Science, 2020, 51, 2276-2292.	5.5	2
40	Learning ability of iterative learning control system with a randomly varying trial length. International Journal of Systems Science, 2022, 53, 870-882.	5.5	2
41	Convergence characteristics of PI-type iterative learning control for linear time-invariant systems. , 2017, , .		1
42	Optimal Iterative Learning Control for Discrete Linear Time-Varying Systems with Varying Trial Lengths. , 2021, , .		1
43	Convergence properties of PDD-type iterative learning control for discrete-time systems in frequency domain. , 2016, , .		0
44	ILC for a Kind of Linear Switched Systems Specified by Random Time-Iteration Driven Switching Signals. , 2018, , .		0
45	A Networked Iterative Learning Control Approach with Input Packet Dropout Adjustment Factor. , 2019, , .		0
46	Iterative Learning Reliable Control for A Kind of Discrete-time Nonlinear Systems with Stochastic Transmission Attenuation and Offset Fault in Actuator. , 2021, , .		0
47	Impact of Measurement Noise on Networked Iterative Learning Control Systems. , 2019, , .		0
48	Convergence analysis of ILC process for networked system with system noise. , 2020, , .		0