Zhongsheng Hou

List of Publications by Year
in descending order

250 papers	8,810 citations	50276 46 h-index	56724 83 g-index
251 all docs	251 docs citations	251 times ranked	2972 citing authors

#	Article	IF	Citations
1	A Novel Data-Driven Control Approach for a Class of Discrete-Time Nonlinear Systems. IEEE Transactions on Control Systems Technology, 2011, 19, 1549-1558.	5.2	483
2	Data-Driven Model-Free Adaptive Control for a Class of MIMO Nonlinear Discrete-Time Systems. IEEE Transactions on Neural Networks, 2011, 22, 2173-2188.	4.2	478
3	An Overview of Dynamic-Linearization-Based Data-Driven Control and Applications. IEEE Transactions on Industrial Electronics, 2017, 64, 4076-4090.	7.9	331
4	On Model-Free Adaptive Control and Its Stability Analysis. IEEE Transactions on Automatic Control, 2019, 64, 4555-4569.	5.7	305
5	Automatic Train Control System Development and Simulation for High-Speed Railways. IEEE Circuits and Systems Magazine, 2010, 10, 6-18.	2.3	301
6	Adaptive ILC for a class of discrete-time systems with iteration-varying trajectory and random initial condition. Automatica, 2008, 44, 2207-2213.	5.0	257
7	Data-Driven Multiagent Systems Consensus Tracking Using Model Free Adaptive Control. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1514-1524.	11.3	193
8	Model Free Adaptive Iterative Learning Consensus Tracking Control for a Class of Nonlinear Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 677-686.	9.3	172
9	Controller-Dynamic-Linearization-Based Model Free Adaptive Control for Discrete-Time Nonlinear Systems. IEEE Transactions on Industrial Informatics, 2013, 9, 2301-2309.	11.3	166
10	Adaptive Iterative Learning Control for High-Speed Trains With Unknown Speed Delays and Input Saturations. IEEE Transactions on Automation Science and Engineering, 2016, 13, 260-273.	5.2	153
11	Terminal iterative learning control based station stop control of a train. International Journal of Control, 2011, 84, 1263-1274.	1.9	139
12	An iterative learning approach for density control of freeway traffic flow via ramp metering. Transportation Research Part C: Emerging Technologies, 2008, 16, 71-97.	7.6	134
13	A High-Order Internal Model Based Iterative Learning Control Scheme for Nonlinear Systems With Time-Iteration-Varying Parameters. IEEE Transactions on Automatic Control, 2010, 55, 2665-2670.	5.7	130
14	Distributed information-weighted Kalman consensus filter for sensor networks. Automatica, 2017, 77, 18-30.	5.0	117
15	Data-driven optimal terminal iterative learning control. Journal of Process Control, 2012, 22, 2026-2037.	3.3	113
16	Online Learning Control Using Adaptive Critic Designs With Sparse Kernel Machines. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 762-775.	11.3	110
17	Coordinated Iterative Learning Control Schemes for Train Trajectory Tracking With Overspeed Protection. IEEE Transactions on Automation Science and Engineering, 2013, 10, 323-333.	5.2	108
18	Freeway Traffic Control Using Iterative Learning Control-Based Ramp Metering and Speed Signaling. IEEE Transactions on Vehicular Technology, 2007, 56, 466-477.	6.3	102

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19	Iterative learning control for a class of nonlinear systems with random packet losses. Nonlinear Analysis: Real World Applications, 2013, 14, 567-580.	1.7	101
20	A unified data-driven design framework of optimality-based generalized iterative learning control. Computers and Chemical Engineering, 2015, 77, 10-23.	3.8	101
21	Data-Driven MFAC for a Class of Discrete-Time Nonlinear Systems With RBFNN. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1013-1020.	11.3	96
22	Repeatability and Similarity of Freeway Traffic Flow and Long-Term Prediction Under Big Data. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1786-1796.	8.0	90
23	Adaptive Iterative Learning Control for Linear Systems With Binary-Valued Observations. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 232-237.	11.3	90
24	A Novel Dual Successive Projection-Based Model-Free Adaptive Control Method and Application to an Autonomous Car. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3444-3457.	11.3	90
25	Lazy-Learning-Based Data-Driven Model-Free Adaptive Predictive Control for a Class of Discrete-Time Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1914-1928.	11.3	87
26	Model free adaptive control with data dropouts. Expert Systems With Applications, 2011, 38, 10709-10717.	7.6	86
27	Computationally Efficient Data-Driven Higher Order Optimal Iterative Learning Control. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5971-5980.	11.3	86
28	D-Type ILC Based Dynamic Modeling and Norm Optimal ILC for High-Speed Trains. IEEE Transactions on Control Systems Technology, 2018, 26, 652-663.	5.2	75
29	Constrained data-driven optimal iterative learning control. Journal of Process Control, 2017, 55, 10-29.	3.3	74
30	Data-Driven Control and Learning Systems. IEEE Transactions on Industrial Electronics, 2017, 64, 4070-4075.	7.9	71
31	RBFNN-Based Data-Driven Predictive Iterative Learning Control for Nonaffine Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1170-1182.	11.3	70
32	Extended State Observer-Based Data-Driven Iterative Learning Control for Permanent Magnet Linear Motor With Initial Shifts and Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1881-1891.	9.3	70
33	An Improved Data-Driven Point-to-Point ILC Using Additional On-Line Control Inputs With Experimental Verification. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 687-696.	9.3	62
34	Modified Iterative-Learning-Control-Based Ramp Metering Strategies for Freeway Traffic Control With Iteration-Dependent Factors. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 606-618.	8.0	59
35	Stability of first and high order iterative learning control with data dropouts. International Journal of Control, Automation and Systems, 2011, 9, 843-849.	2.7	56
36	Data driven model free adaptive iterative learning perimeter control for large-scale urban road networks. Transportation Research Part C: Emerging Technologies, 2020, 115, 102618.	7.6	56

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37	Formation control for a class of nonlinear multiagent systems using modelâ€free adaptive iterative learning. International Journal of Robust and Nonlinear Control, 2018, 28, 1402-1412.	3.7	55
38	Stability of iterative learning control with data dropouts via asynchronous dynamical system. International Journal of Automation and Computing, 2011, 8, 29-36.	4.5	53
39	Discrete-Time Extended State Observer-Based Model-Free Adaptive Control Via Local Dynamic Linearization. IEEE Transactions on Industrial Electronics, 2020, 67, 8691-8701.	7.9	53
40	Iterative learning control for a class of nonâ€linear switched systems. IET Control Theory and Applications, 2013, 7, 470-481.	2.1	51
41	H_{â^ž}iterative learning controller design for a class of discrete-time systems with data dropouts. International Journal of Systems Science, 2014, 45, 1902-1912.	5.5	49
42	Quantized Data Driven Iterative Learning Control for a Class of Nonlinear Systems With Sensor Saturation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5119-5129.	9.3	49
43	A data-driven adaptive ILC for a class of nonlinear discrete-time systems with random initial states and iteration-varying target trajectory. Journal of the Franklin Institute, 2015, 352, 2407-2424.	3.4	48
44	Enhanced Data-Driven Optimal Terminal ILC Using Current Iteration Control Knowledge. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2939-2948.	11.3	48
45	Dual RBFNNs-Based Model-Free Adaptive Control With Aspen HYSYS Simulation. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 759-765.	11.3	48
46	Adaptive Fuzzy Asymptotic Tracking for Nonlinear Systems With Nonstrict-Feedback Structure. IEEE Transactions on Cybernetics, 2021, 51, 853-861.	9.5	48
47	Adjacent-Agent Dynamic Linearization-Based Iterative Learning Formation Control. IEEE Transactions on Cybernetics, 2020, 50, 4358-4369.	9.5	47
48	Event-Based Adaptive Fuzzy Asymptotic Tracking Control of Uncertain Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2021, 29, 3003-3013.	9.8	47
49	Model-Free Adaptive Control for Unknown MIMO Nonaffine Nonlinear Discrete-Time Systems With Experimental Validation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1727-1739.	11.3	47
50	A Data-Driven Iterative Feedback Tuning Approach of ALINEA for Freeway Traffic Ramp Metering With PARAMICS Simulations. IEEE Transactions on Industrial Informatics, 2013, 9, 2310-2317.	11.3	46
51	Adaptive iterative learning reliable control for a class of nonâ€linearly parameterised systems with unknown state delays and input saturation. IET Control Theory and Applications, 2016, 10, 2160-2174.	2.1	45
52	Data-Driven Model Free Adaptive Perimeter Control for Multi-Region Urban Traffic Networks With Route Choice. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2894-2905.	8.0	45
53	Dataâ€driven terminal iterative learning control with highâ€order learning law for a class of nonâ€linear discreteâ€time multipleâ€inputâ€“multiple output systems. IET Control Theory and Applications, 2015, 9, 1075-1082.	2.1	44
54	Dataâ€driven highâ€order terminal iterative learning control with a faster convergence speed. International Journal of Robust and Nonlinear Control, 2018, 28, 103-119.	3.7	42

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55	Adaptive Fuzzy Iterative Learning Control for High-Speed Trains With Both Randomly Varying Operation Lengths and System Constraints. IEEE Transactions on Fuzzy Systems, 2021, 29, 2408-2418.	9.8	41
56	A novel automatic train operation algorithm based on iterative learning control theory. , 2008, , .		39
57	Event-Triggered Fuzzy Adaptive Fixed-Time Tracking Control for Nonlinear Systems. IEEE Transactions on Cybernetics, 2022, 52, 7206-7217.	9.5	39
58	Controller dynamic linearisationâ€based modelâ€free adaptive control framework for a class of nonâ€linear system. IET Control Theory and Applications, 2015, 9, 1162-1172.	2.1	38
59	Local learningâ€based modelâ€free adaptive predictive control for adjustment of oxygen concentration in syngas manufacturing industry. IET Control Theory and Applications, 2016, 10, 1384-1394.	2.1	38
60	Data-Driven Iterative Learning Control for Nonlinear Discrete-Time MIMO Systems. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1136-1148.	11.3	38
61	Resilient Model-Free Adaptive Iterative Learning Control for Nonlinear Systems Under Periodic DoS Attacks via a Fading Channel. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4117-4128.	9.3	38
62	Data-Driven Formation Control for Unknown MIMO Nonlinear Discrete-Time Multi-Agent Systems With Sensor Fault. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7728-7742.	11.3	37
63	Adaptive iterative learning control for nonlinear uncertain systems with both state and input constraints. Journal of the Franklin Institute, 2016, 353, 3920-3943.	3.4	36
64	Stability analysis of quantized iterative learning control systems using lifting representation. International Journal of Adaptive Control and Signal Processing, 2017, 31, 1327-1336.	4.1	36
65	Data-Driven Model-Free Adaptive Predictive Control for a Class of MIMO Nonlinear Discrete-Time Systems With Stability Analysis. IEEE Access, 2019, 7, 102852-102866.	4.2	36
66	Finite-Time Consensus for Linear Multi-Agent Systems Using Data-Driven Terminal ILC. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2029-2033.	3.0	36
67	Robust modelâ€free adaptive iterative learning formation for unknown heterogeneous nonâ€linear multiâ€agent systems. IET Control Theory and Applications, 2020, 14, 654-663.	2.1	36
68	Adaptive iterative learning control for nonlinearly parameterised systems with unknown time-varying delays and input saturations. International Journal of Control, 2015, 88, 1133-1141.	1.9	34
69	Data driven control for a class of nonlinear systems with output saturation. ISA Transactions, 2018, 81, 1-7.	5.7	33
70	Multi-Agent-Based Data-Driven Distributed Adaptive Cooperative Control in Urban Traffic Signal Timing. Energies, 2019, 12, 1402.	3.1	33
71	Event-Triggered Nonlinear Iterative Learning Control. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5118-5128.	11.3	33
72	Data-Driven Terminal Iterative Learning Consensus for Nonlinear Multiagent Systems With Output Saturation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1963-1973.	11.3	33

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73	Synchronization of Interconnected Multiâ€valued Logical Networks. Asian Journal of Control, 2014, 16, 1659-1669.	3.0	32
74	Adaptive Iterative Learning Control Based High Speed Train Operation Tracking Under Iterationâ€Varying Parameter and Measurement Noise. Asian Journal of Control, 2015, 17, 1779-1788.	3.0	32
75	3-D Learning-Enhanced Adaptive ILC for Iteration-Varying Formation Tasks. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 89-99.	11.3	32
76	Event-Based Design of Finite-Time Adaptive Control of Uncertain Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3804-3813.	11.3	32
77	Optimal Terminal Iterative Learning Control for the Automatic Train Stop System. Asian Journal of Control, 2015, 17, 1992-1999.	3.0	31
78	Modelâ€free adaptive control method for a class of unknown MIMO systems with measurement noise and application to quadrotor aircraft. IET Control Theory and Applications, 2020, 14, 2084-2096.	2.1	31
79	A Complementary Modularized Ramp Metering Approach Based on Iterative Learning Control and ALINEA. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 1305-1318.	8.0	30
80	Iterative learning control for train trajectory tracking under speed constrains with iteration-varying parameter. Transactions of the Institute of Measurement and Control, 2015, 37, 485-493.	1.7	30
81	Adaptive iterative learning control for a class of non-linearly parameterised systems with input saturations. International Journal of Systems Science, 2016, 47, 1084-1094.	5.5	30
82	Model free adaptive iterative learning control for a class of nonlinear systems with randomly varying iteration lengths. Journal of the Franklin Institute, 2019, 356, 2491-2504.	3.4	30
83	Data-Driven Model-Free Adaptive Attitude Control Approach for Launch Vehicle With Virtual Reference Feedback Parameters Tuning Method. IEEE Access, 2019, 7, 54106-54116.	4.2	29
84	Cooperative Adaptive Iterative Learning Fault-Tolerant Control Scheme for Multiple Subway Trains. IEEE Transactions on Cybernetics, 2022, 52, 1098-1111.	9.5	29
85	An ILC scheme for a class of nonlinear continuousâ€time systems with timeâ€iterationâ€varying parameters subject to secondâ€order internal model. Asian Journal of Control, 2011, 13, 126-135.	3.0	28
86	Improved data-driven optimal TILC using time-varying input signals. Journal of Process Control, 2014, 24, 78-85.	3.3	27
87	Model Free Adaptive Control for a Class of Nonlinear Systems Using Quantized Information. Asian Journal of Control, 2018, 20, 962-968.	3.0	27
88	Computationallyâ€Light Nonâ€Lifted Dataâ€Driven Normâ€Optimal Iterative Learning Control. Asian Journal of Control, 2018, 20, 115-124.	3.0	27
89	Adaptive Iterative Learning Control for Subway Trains Using Multiple-Point-Mass Dynamic Model Under Speed Constraint. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1388-1400.	8.0	27
90	Active Disturbance Rejection Control for Nonaffined Globally Lipschitz Nonlinear Discrete-Time Systems. IEEE Transactions on Automatic Control, 2021, 66, 5955-5967.	5.7	27

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91	Quantitative Data-Driven Adaptive Iterative Learning Control: From Trajectory Tracking to Point-to-Point Tracking. IEEE Transactions on Cybernetics, 2022, 52, 4859-4873.	9.5	26
92	Data-driven predictive iterative learning control for a class of multiple-input and multiple-output nonlinear systems. Transactions of the Institute of Measurement and Control, 2016, 38, 266-281.	1.7	25
93	Modelâ€free adaptive faultâ€tolerant control for subway trains with speed and traction/braking force constraints. IET Control Theory and Applications, 2020, 14, 1557-1566.	2.1	25
94	Event-Triggered Data-Driven Load Frequency Control for Multiarea Power Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 5982-5991.	11.3	25
95	Guest Editorial Data-Based Control, Modeling, and Optimization. IEEE Transactions on Neural Networks, 2011, 22, 2150-2153.	4.2	24
96	Iterative Learning Control With Unknown Control Direction: A Novel Data-Based Approach. IEEE Transactions on Neural Networks, 2011, 22, 2237-2249.	4.2	23
97	Perimeter Control of Urban Traffic Networks Based on Model-Free Adaptive Control. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 6460-6472.	8.0	23
98	Model Free Adaptive Iterative Learning Control for Farm Vehicle Path Tracking. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 153-158.	0.4	22
99	Modelâ€free adaptive formation control for unknown multiinputâ€multioutput nonlinear heterogeneous discreteâ€time multiagent systems with bounded disturbance. International Journal of Robust and Nonlinear Control, 2020, 30, 6330-6350.	3.7	22
100	Event-Triggered Adaptive Fuzzy Asymptotic Tracking Control of Nonlinear Pure-Feedback Systems With Prescribed Performance. IEEE Transactions on Cybernetics, 2023, 53, 2380-2390.	9.5	22
101	A new neural network-based adaptive ILC for nonlinear discrete-time systems with dead zone scheme. Journal of Systems Science and Complexity, 2009, 22, 435-445.	2.8	21
102	Model-Free Adaptive Control Algorithm with Data Dropout Compensation. Mathematical Problems in Engineering, 2012, 2012, 1-14.	1.1	20
103	A Fuzzy-Neural Adaptive Terminal Iterative Learning Control for Fed-Batch Fermentation Processes. International Journal of Fuzzy Systems, 2015, 17, 423-433.	4.0	20
104	Path tracking control of a selfâ€driving wheel excavator via an enhanced dataâ€driven modelâ€free adaptive control approach. IET Control Theory and Applications, 2020, 14, 220-232.	2.1	20
105	Observer-Based Sampled-Data Model-Free Adaptive Control for Continuous-Time Nonlinear Nonaffine Systems With Input Rate Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7813-7822.	9.3	20
106	Distributed Data-Driven Iterative Learning Consensus Tracking for Nonlinear Discrete-Time Multiagent Systems. IEEE Transactions on Automatic Control, 2022, 67, 3670-3677.	5.7	20
107	On iterative learning control design for tracking iteration-varying trajectories with high-order internal model. Journal of Control Theory and Applications, 2010, 8, 309-316.	0.8	19
108	Adaptive Terminal ILC for Iterationâ€varying Target Points. Asian Journal of Control, 2015, 17, 952-962.	3.0	19

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109	Constrained Model Free Adaptive Predictive Perimeter Control and Route Guidance for Multi-Region Urban Traffic Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 912-924.	8.0	19
110	Constrained Spatial Adaptive Iterative Learning Control for Trajectory Tracking of High Speed Train. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11720-11728.	8.0	19
111	Data-Driven Event-Triggered Cooperative Control for Multiple Subway Trains With Switching Topologies. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14702-14711.	8.0	19
112	Modelâ€free adaptive control for a class of nonlinear systems with uniform quantizer. International Journal of Robust and Nonlinear Control, 2020, 30, 6383-6398.	3.7	18
113	Active Disturbance Rejection Based Repetitive Learning Control With Applications in Power Inverters. IEEE Transactions on Control Systems Technology, 2021, 29, 2038-2048.	5.2	18
114	RBFNN-Based Adaptive Iterative Learning Fault-Tolerant Control for Subway Trains With Actuator Faults and Speed Constraint. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5785-5799.	9.3	17
115	A Data-Driven ILC Framework for a Class of Nonlinear Discrete-Time Systems. IEEE Transactions on Cybernetics, 2022, 52, 6143-6157.	9.5	17
116	Finite time asymmetric bipartite consensus for multiâ€agent systems based on iterative learning control. International Journal of Robust and Nonlinear Control, 2021, 31, 5708-5724.	3.7	17
117	Data-driven approximate value iteration with optimality error bound analysis. Automatica, 2017, 78, 79-87.	5.0	16
118	Singular linear quadratic optimal control for singular stochastic discreteâ€time systems. Optimal Control Applications and Methods, 2013, 34, 505-516.	2.1	15
119	Spatial Linear Dynamic Relationship of Strongly Connected Multiagent Systems and Adaptive Learning Control for Different Formations. IEEE Transactions on Cybernetics, 2022, 52, 531-543.	9.5	15
120	Model free adaptive control for a class of nonlinear systems with fading measurements. Journal of the Franklin Institute, 2020, 357, 7743-7760.	3.4	15
121	Discrete-time adaptive iterative learning control for permanent magnet linear motor. , 2011, , .		13
122	Neural network state learning based adaptive terminal ILC for tracking iteration-varying target points. International Journal of Automation and Computing, 2015, 12, 266-272.	4.5	13
123	Data-driven approximate Q-learning stabilization with optimality error bound analysis. Automatica, 2019, 103, 435-442.	5.0	13
124	Multi-lagged-input iterative dynamic linearization based data-driven adaptive iterative learning control. Journal of the Franklin Institute, 2019, 356, 457-473.	3.4	13
125	Data-driven asymptotic stabilization for discrete-time nonlinear systems. Systems and Control Letters, 2014, 64, 79-85.	2.3	12
126	Multivariable Model-Free Adaptive Controller Design With Differential Characteristic for Load Reduction of Wind Turbines. IEEE Transactions on Energy Conversion, 2022, 37, 1106-1114.	5.2	12

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127	Security Data-Driven Control for Nonlinear Systems Subject to Deception and False Data Injection Attacks. IEEE Transactions on Network Science and Engineering, 2022, 9, 2910-2921.	6.4	12
128	Controller compact form dynamic linearization based model free adaptive control. , 2012, , .		11
129	Iterative learning control based automatic train operation with iteration-varying parameter. , 2013, , .		11
130	Model-free adaptive MIMO control algorithm application in polishing robot. , 2017, , .		11
131	Compensationâ€based dataâ€driven ILC with input and output package dropouts. International Journal of Robust and Nonlinear Control, 2020, 30, 950-965.	3.7	11
132	Iterative Learning Model Predictive Control Approaches for Trajectory Based Aircraft Operation with Controlled Time of Arrival. International Journal of Control, Automation and Systems, 2020, 18, 2641-2649.	2.7	11
133	Controller-Dynamic-Linearization-Based Data-Driven ILC for Nonlinear Discrete-Time Systems With RBFNN. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4981-4992.	9.3	11
134	Optimal higher order learning adaptive control approach for a class of SISO nonlinear systems. Journal of Control Theory and Applications, 2005, 3, 247-251.	0.8	10
135	A bilateral brain symmetry index for analysis of EEG signal in stroke patients. , 2011, , .		10
136	An Iterative Learning Approach for Train Trajectory Tracking Control1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 14916-14921.	0.4	10
137	Data-driven multi-inverter cooperative control for voltage tracking and current sharing in islanded AC microgrids. Transactions of the Institute of Measurement and Control, 2019, 41, 3145-3157.	1.7	10
138	The model-free adaptive cross-coupled control for two-dimensional linear motor. Transactions of the Institute of Measurement and Control, 2020, 42, 1059-1069.	1.7	10
139	Convergence Analysis of Sampled-Data ILC for Locally Lipschitz Continuous Nonlinear Nonaffine Systems With Nonrepetitive Uncertainties. IEEE Transactions on Automatic Control, 2021, 66, 3347-3354.	5.7	10
140	Data-Driven Adaptive Consensus Learning From Network Topologies. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3487-3497.	11.3	10
141	Discrete-Time-Distributed Adaptive ILC With Nonrepetitive Uncertainties and Applications to Building HVAC Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5068-5080.	9.3	10
142	Adaptive command filtered fixed-time control of nonlinear systems with input quantization. Applied Mathematics and Computation, 2022, 427, 127186.	2.2	10
143	Highâ€order dataâ€driven optimal TILC approach for fedâ€batch processes. Canadian Journal of Chemical Engineering, 2015, 93, 1455-1461.	1.7	9
144	Adaptive fixedâ€time tracking control for stochastic pureâ€feedback nonlinear systems. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1712-1731.	4.1	9

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145	Robust iterative learning control for nonlinear systems with measurement disturbances. Journal of Systems Engineering and Electronics, 2012, 23, 906-913.	2.2	8
146	Freeway Traffic Density and On-Ramp Queue Control via ILC Approach. Mathematical Problems in Engineering, 2014, 2014, 1-8.	1.1	8
147	Model Free Adaptive Iterative Learning Control for Tool Feed System in Noncircular Turning. IEEE Access, 2019, 7, 113712-113725.	4.2	8
148	Observer-based data-driven constrained norm optimal iterative learning control for unknown non-affine non-linear systems with both available and unavailable system states. Journal of the Franklin Institute, 2020, 357, 5852-5877.	3.4	8
149	Dataâ€driven urban traffic modelâ€free adaptive iterative learning control with traffic data dropout compensation. IET Control Theory and Applications, 2021, 15, 1533-1544.	2.1	8
150	Iterative learning control approach for ramp metering. Journal of Control Theory and Applications, 2005, 3, 27-34.	0.8	7
151	Model-free indirect adaptive decoupling control for nonlinear discrete-time MIMO systems. , 2009, , .		7
152	Iterative learning control design with high-order internal model for nonlinear systems. , 2009, , .		7
153	H<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" overflow="scroll"><mml:mrow><mml:mi>â^ž</mml:mi></mml:mrow></mml:math> control for a class of 2-D nonlinear systems with intermittent measurements. Applied Mathematics and Computation, 2014, 247, 651-662.	2.2	7
154	An Iterative Predictive Learning Control Approach With Application to Energy Efficient Train Trajectory Tracking. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5103-5108.	0.4	7
155	Model-free Adaptive Control for a Vapour-Compression Refrigeration Benchmark Process âŽ âŽThis work is supported by National Natural Science Foundation of China (NSFC) under Grants 61433002 and 61403025, and by Beijing Natural Science Foundation under Grant L161007 (Corresponding author:) Tj ETQq1 1 0.784314 rgBT /Ove	0.9	7
156	A Novel Data-Driven Filtering Algorithm for a Class of Discrete-Time Nonlinear Systems. , 2018, , .		7
157	Iterative Learning based Model Free Adaptive Control for Subway Trains with Speed and Input Constraints. , 2019, , .		7
158	Data-driven nonlinear ILC with varying trial lengths. Journal of the Franklin Institute, 2020, 357, 10262-10287.	3.4	7
159	Observer based switching ILC for consensus of nonlinear nonaffine multi-agent systems. Journal of the Franklin Institute, 2021, 358, 6195-6216.	3.4	7
160	Data-Driven Adaptive Iterative Learning Bipartite Consensus for Heterogeneous Nonlinear Cooperationâ€“Antagonism Networks. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8262-8270.	11.3	7
161	Event-Based Adaptive Neural Asymptotic Tracking Control for Networked Nonlinear Stochastic Systems. IEEE Transactions on Network Science and Engineering, 2022, 9, 2290-2300.	6.4	7
162	Full Form Dynamic Linearization based data-driven MFAC for a class of discrete-time nonlinear systems. , 2011, , .		6

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163	Model based control and MFAC, which is better in simulation? * *Resrach supported by NSFC under granted No. 61120106009. Hou Zhongsheng is the corresponding author.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 82-87.	0.4	6
164	A Novel Data-Driven Terminal Iterative Learning Control with Iteration Prediction Algorithm for a Class of Discrete-Time Nonlinear Systems. Journal of Applied Mathematics, 2014, 2014, 1-9.	0.9	6
165	A Data-Driven Iterative Learning Control Framework Based on Controller Dynamic Linearization. , 2018, , .		6
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