

# Deyuan Meng

## List of Publications by Year in descending order

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94  
papers

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136740

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168136

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95  
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95  
docs citations

95  
times ranked

1530  
citing authors

#	ARTICLE	IF	CITATIONS
1	Iterative Rectifying Methods for Nonrepetitive Continuous-Time Learning Control Systems. IEEE Transactions on Cybernetics, 2023, 53, 338-351.	6.2	9
2	Distributed Control Problems on Signed Networks Under Mixed Static and Dynamic Protocols. IEEE Transactions on Cybernetics, 2023, 53, 2886-2898.	6.2	0
3	Improving Tracking Accuracy for Repetitive Learning Systems by High-Order Extended State Observers. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10398-10407.	7.2	0
4	Distributed Control of Time-Varying Signed Networks: Theories and Applications. IEEE Transactions on Cybernetics, 2022, 52, 301-311.	6.2	2
5	Transient Bipartite Synchronization for Cooperative-Antagonistic Multiagent Systems With Switching Topologies. IEEE Transactions on Cybernetics, 2022, 52, 11467-11476.	6.2	4
6	Nonsynchronous Model Reduction for Uncertain 2-D Markov Jump Systems. IEEE Transactions on Cybernetics, 2022, 52, 10177-10186.	6.2	4
7	Design and Analysis of Data-Driven Learning Control: An Optimization-Based Approach. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5527-5541.	7.2	14
8	Fully Distributed Synchronization of Complex Networks With Adaptive Coupling Strengths. IEEE Transactions on Cybernetics, 2022, 52, 11581-11593.	6.2	10
9	Control Design for Iterative Methods in Solving Linear Algebraic Equations. IEEE Transactions on Automatic Control, 2022, 67, 5039-5054.	3.6	9
10	Robust adaptive learning for attitude control of rigid bodies with initial alignment errors. Automatica, 2022, 137, 110024.	3.0	11
11	Distributed Control With Heterogeneous Gains for Signed Networks: An $\mathcal{H}_\infty$ -Matrix Approach. IEEE Transactions on Control of Network Systems, 2022, 9, 25-36.	2.4	5
12	Consensus-based iterative learning of heterogeneous agents with application to distributed optimization. Automatica, 2022, 137, 110096.	3.0	10
13	Bipartite Containment Fluctuation Behaviors of Cooperative-Antagonistic Networks With Time-Varying Topologies. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7391-7400.	5.9	5
14	Disagreement and Antagonism in Signed Networks: A Survey. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1166-1187.	8.5	7
15	Further Results for Edge Convergence of Directed Signed Networks. IEEE Transactions on Cybernetics, 2021, 51, 5659-5670.	6.2	6
16	Connection of Signed and Unsigned Networks Based on Solving Linear Dynamic Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5174-5188.	5.9	13
17	Convergence Analysis of Robust Iterative Learning Control Against Nonrepetitive Uncertainties: System Equivalence Transformation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3867-3879.	7.2	19
18	Distributed Controller Design and Analysis of Second-Order Signed Networks With Communication Delays. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4123-4137.	7.2	11

#	ARTICLE	IF	CITATIONS
19	Convergence Behavior Analysis of Directed Signed Networks Subject to Nonidentical Topologies. IEEE Transactions on Automatic Control, 2021, 66, 872-879.	3.6	9
20	Robust Tracking of Nonrepetitive Learning Control Systems With Iteration-Dependent References. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 842-852.	5.9	25
21	Adaptive Iterative Learning Control for High-Speed Train: A Multi-Agent Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4067-4077.	5.9	42
22	Extended Structural Balance and Disagreement Behaviors for Switching Networks With Antagonistic Interactions. IEEE Transactions on Control of Network Systems, 2021, 8, 77-88.	2.4	5
23	A survey on distributed iterative learning control for transient formation. Control Theory and Technology, 2021, 19, 295-297.	1.0	1
24	Robust Optimization-Based Iterative Learning Control for Nonlinear Systems With Nonrepetitive Uncertainties. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1001-1014.	8.5	39
25	Deterministic Tracking for Continuous-Time ILC Systems With Nonrepetitive Time Intervals. , 2021, , .		0
26	Cooperative iterative learning for uncertain nonlinear agents in leaderless switching networks. Automatica, 2021, 129, 109692.	3.0	8
27	Passive Hand Rehabilitation Training Through Robots: an Iterative Learning Control Approach. , 2021, , .		0
28	Distributed Averaging Problems Over Directed Signed Networks. IEEE Transactions on Control of Network Systems, 2021, 8, 1442-1453.	2.4	8
29	Cooperative Learning for Switching Networks With Nonidentical Nonlinear Agents. IEEE Transactions on Automatic Control, 2021, 66, 6131-6138.	3.6	11
30	Distributed Impulsive Control for Signed Networks of Coupled Harmonic Oscillators With Sampled Positions. IEEE Transactions on Control of Network Systems, 2021, 8, 111-122.	2.4	12
31	Contraction Mapping-Based Robust Convergence of Iterative Learning Control With Uncertain, Locally Lipschitz Nonlinearity. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 442-454.	5.9	53
32	Network-to-Network Control Over Heterogeneous Topologies: A Dynamic Graph Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1885-1896.	5.9	9
33	Distributed Control for Signed Networks of Nonlinear Agents. International Journal of Control, Automation and Systems, 2020, 18, 271-281.	1.6	3
34	Extended Structural Balance Theory and Method for Cooperative“Antagonistic Networks. IEEE Transactions on Automatic Control, 2020, 65, 2147-2154.	3.6	39
35	Convergence Analysis of Saturated Iterative Learning Control Systems With Locally Lipschitz Nonlinearities. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4025-4035.	7.2	27
36	Behavior Analysis of Directed Signed Networks Under Dynamic Protocols. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2562-2566.	2.2	5

#	ARTICLE	IF	CITATIONS
37	Robust Tracking Problems for Continuous-Time Iterative Learning Systems With Nonrepetitive Model Uncertainties. , 2020, , .		1
38	Quaternion-Based Adaptive Iterative Learning Control for Attitude Tracking of Spacecraft. , 2020, , .		0
39	Algebraic criteria for structure identification and behaviour analysis of signed networks. International Journal of Systems Science, 2019, 50, 2333-2347.	3.7	2
40	On exponential stability of switched homogeneous positive systems of degree one. Automatica, 2019, 103, 302-309.	3.0	26
41	Disagreement of Hierarchical Opinion Dynamics with Changing Antagonisms. SIAM Journal on Control and Optimization, 2019, 57, 718-742.	1.1	35
42	Analysis of Opinion Dynamics in Social Networks Subject to Time-Varying Topologies. , 2019, , .		0
43	Iterative Learning-Based Formation Control for Multi-agent Systems with Locally Lipschitz Nonlinear Dynamics. , 2019, , .		2
44	Edge Convergence Problems on Signed Networks. IEEE Transactions on Cybernetics, 2019, 49, 4029-4041.	6.2	17
45	Convergence Conditions for Solving Robust Iterative Learning Control Problems Under Nonrepetitive Model Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1908-1919.	7.2	42
46	Grouped Gene Selection of Cancer via Adaptive Sparse Group Lasso Based on Conditional Mutual Information. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 2028-2038.	1.9	49
47	Uniform convergence for signed networks under directed switching topologies. Automatica, 2018, 90, 8-15.	3.0	44
48	Deterministic Convergence for Learning Control Systems Over Iteration-Dependent Tracking Intervals. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3885-3892.	7.2	48
49	Dynamic Distributed Control for Networks With Cooperative“Antagonistic Interactions. IEEE Transactions on Automatic Control, 2018, 63, 2311-2326.	3.6	48
50	Convergence analysis of directed signed networks via an $M$ -matrix approach. International Journal of Control, 2018, 91, 827-847.	1.2	36
51	Bipartite Consensus for Second-Order Multi-Agent Systems over Nonidentical Signed Graphs. IFAC-PapersOnLine, 2018, 51, 301-306.	0.5	8
52	Iterative Learning Control for Continuous-Time Systems with Locally Lipschitz Nonlinearity and Input Saturation. , 2018, , .		2
53	A Virtual Reality based Training and Assessment System for Hand Rehabilitation. , 2018, , .		8
54	Robust Iterative Learning Control for Nonrepetitive Uncertain Systems. IEEE Transactions on Automatic Control, 2017, 62, 907-913.	3.6	171

#	ARTICLE	IF	CITATIONS
55	Convergence of iterative learning control for SISO nonrepetitive systems subject to iteration-dependent uncertainties. <i>Automatica</i> , 2017, 79, 167-177.	3.0	63
56	Bipartite containment tracking of signed networks. <i>Automatica</i> , 2017, 79, 282-289.	3.0	141
57	Robust cooperative learning control for directed networks with nonlinear dynamics. <i>Automatica</i> , 2017, 75, 172-181.	3.0	59
58	Transcale average consensus of directed multi-vehicle networks with fixed and switching topologies. <i>International Journal of Control</i> , 2017, 90, 2098-2110.	1.2	7
59	Robust iterative learning control with high-order internal models for SISO nonrepetitive systems. , 2017, , .		3
60	Convergence for SISO ILC Systems with Locally Lipschitz Nonlinear Dynamics * *This work was supported in part by the National Natural Science Foundation of China (NSFC: 61473010, 61520106010,) Tj ETQq0,0 0 rgBT <sub>3</sub> /Overlock Re-research Funds for the Central Universities.. <i>IFAC-PapersOnLine</i> , 2017, 50, 12083-12088.		
61	Consensus seeking via iterative learning for multi-agent systems with switching topologies and communication time-delays. <i>International Journal of Robust and Nonlinear Control</i> , 2016, 26, 3772-3790.	2.1	44
62	Scaled Consensus Problems on Switching Networks. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 1664-1669.	3.6	76
63	Interval Bipartite Consensus of Networked Agents Associated With Signed Digraphs. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 3755-3770.	3.6	297
64	Signed-average consensus for networks of agents: a nonlinear fixed-time convergence protocol. <i>Nonlinear Dynamics</i> , 2016, 85, 155-165.	2.7	61
65	Learning to cooperate: Networks of formation agents with switching topologies. <i>Automatica</i> , 2016, 64, 278-293.	3.0	101
66	Robust Consensus Algorithms for Multiscale Coordination Control of Multivehicle Systems With Disturbances. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 1107-1119.	5.2	66
67	Finite-Time Consensus for Multiagent Systems With Cooperative and Antagonistic Interactions. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016, 27, 762-770.	7.2	165
68	Consensus Control for Multi-agent Networks with Mixed Undirected Interactions. <i>Lecture Notes in Electrical Engineering</i> , 2016, , 101-108.	0.3	4
69	High-precision formation control of nonlinear multi-agent systems with switching topologies: A learning approach. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 1993-2018.	2.1	31
70	Bipartite coordination problems on networks of multiple mobile agents. <i>Journal of the Franklin Institute</i> , 2015, 352, 4698-4720.	1.9	8
71	Robust ILC with iteration-varying initial state shifts: a 2D approach. <i>International Journal of Systems Science</i> , 2015, 46, 1-17.	3.7	37
72	Stability of varying two-dimensional Roesser systems and its application to iterative learning control convergence analysis. <i>IET Control Theory and Applications</i> , 2015, 9, 1221-1228.	1.2	17

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73	Nonlinear finite-time bipartite consensus protocol for multi-agent systems associated with signed graphs. <i>International Journal of Control</i> , 2015, 88, 2074-2085.	1.2	58
74	Data-driven consensus control for networked agents: an iterative learning control-motivated approach. <i>IET Control Theory and Applications</i> , 2015, 9, 2084-2096.	1.2	38
75	Robust iterative learning protocols for finite-time consensus of multi-agent systems with interval uncertain topologies. <i>International Journal of Systems Science</i> , 2015, 46, 857-871.	3.7	32
76	Robust Consensus Tracking Control for Multiagent Systems With Initial State Shifts, Disturbances, and Switching Topologies. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015, 26, 809-824.	7.2	104
77	H $\infty$ approach to monotonically convergent ILC for uncertain time-varying delay systems. <i>International Journal of Systems Science</i> , 2015, 46, 209-217.	3.7	15
78	Finite-time consensus protocols for networks of dynamic agents by terminal iterative learning. <i>International Journal of Systems Science</i> , 2014, 45, 2435-2446.	3.7	15
79	Studies on Resilient Control Through Multiagent Consensus Networks Subject to Disturbances. <i>IEEE Transactions on Cybernetics</i> , 2014, 44, 2050-2064.	6.2	97
80	Formation control for multi-agent systems through an iterative learning design approach. <i>International Journal of Robust and Nonlinear Control</i> , 2014, 24, 340-361.	2.1	93
81	On iterative learning algorithms for the formation control of nonlinear multi-agent systems. <i>Automatica</i> , 2014, 50, 291-295.	3.0	133
82	Coordination learning control for groups of mobile agents. <i>Journal of the Franklin Institute</i> , 2013, 350, 2183-2211.	1.9	9
83	Multi-agent iterative learning control with communication topologies dynamically changing in two directions. <i>IET Control Theory and Applications</i> , 2013, 7, 261-270.	1.2	20
84	Monotonically convergent ILC systems designed using bounded real lemma. <i>International Journal of Systems Science</i> , 2012, 43, 2062-2071.	3.7	12
85	Iterative learning approaches to design finite-time consensus protocols for multi-agent systems. <i>Systems and Control Letters</i> , 2012, 61, 187-194.	1.3	112
86	Data-Driven Control for Relative Degree Systems via Iterative Learning. <i>IEEE Transactions on Neural Networks</i> , 2011, 22, 2213-2225.	4.8	45
87	Two alternative approaches to stochastic discrete-time iterative learning control systems. , 2011, , .		4
88	Robust learning controller design for MIMO stochastic discrete-time systems: An $H_{\infty}$ -based approach. <i>International Journal of Adaptive Control and Signal Processing</i> , 2011, 25, 653-670.	2.3	28
89	Anticipatory approach to design robust iterative learning control for uncertain time-delay systems. <i>Asian Journal of Control</i> , 2011, 13, 38-53.	1.9	9
90	Necessary and sufficient stability condition of LTV iterative learning control systems using a $2$ -D approach. <i>Asian Journal of Control</i> , 2011, 13, 25-37.	1.9	16

#	ARTICLE	IF	CITATIONS
91	Feedback iterative learning control for time-delay systems based on 2D analysis approach. Journal of Control Theory and Applications, 2010, 8, 457-463.	0.8	9
92	Initial shift problem for robust iterative learning control systems with polytopic-type uncertainty. International Journal of Systems Science, 2010, 41, 825-838.	3.7	16
93	Robust Discrete-Time Iterative Learning Control for Nonlinear Systems With Varying Initial State Shifts. IEEE Transactions on Automatic Control, 2009, 54, 2626-2631.	3.6	55
94	Robust learning-based lateral tracking control for autonomous driving with input constraints. International Journal of Robust and Nonlinear Control, 0, , .	2.1	0