Kevin L Moore

List of Publications by Year
in descending order

61 papers	4,547 citations	236925 25 h-index	395702 33 g-index
62 all docs	62 docs citations	62 times ranked	1948 citing authors

#	Article	IF	Citations
1	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.	9.3	53
2	Topological Controllability of Undirected Networks of Diffusively-Coupled Agents. , 2019, , .		2
3	Robust Iterative Learning Control for Nonrepetitive Uncertain Systems. IEEE Transactions on Automatic Control, 2017, 62, 907-913.	5.7	171
4	Convergence of iterative learning control for SISO nonrepetitive systems subject to iteration-dependent uncertainties. Automatica, 2017, 79, 167-177.	5.0	63
5	Robust cooperative learning control for directed networks with nonlinear dynamics. Automatica, 2017, 75, 172-181.	5.0	59
6	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 /Overlock Re-search Funds for the Central Universities.. IFAC-PapersOnLine, 2017, 50, 12083-12088.	0.9	3
7	Consensus of generalized integrators: Convergence rate and disturbance attenuation property. Automatica, 2016, 65, 115-119.	5.0	2
8	Learning to cooperate: Networks of formation agents with switching topologies. Automatica, 2016, 64, 278-293.	5.0	101
9	Consensus of positive real systems cascaded with a single integrator. International Journal of Robust and Nonlinear Control, 2015, 25, 418-429.	3.7	17
10	Formation control of multi-agent systems with switching topologies: An ILC-based distributed algorithm design. , 2015, , .		6
11	Disturbance attenuation in consensus networks consisting of passive linear time-invariant systems. , 2014, , .		0
12	Disturbance Attenuation in a Consensus Network of Identical Linear Systems: An $ {cal H}_{infty }$ Approach. IEEE Transactions on Automatic Control, 2014, 59, 2164-2169.	5.7	39
13	On robust iterative learning control against iteration-varying uncertain plant parameters. , 2014, , .		13
14	Iterative learning control in optimal tracking problems with specified data points. Automatica, 2013, 49, 1465-1472.	5.0	82
15	Graph and controller design for disturbance attenuation in consensus networks. , 2013, , .		1
16	Reduced-Order Iterative Learning Control and a Design Strategy for Optimal Performance Tradeoffs. IEEE Transactions on Automatic Control, 2012, 57, 2390-2395.	5.7	13
17	Norm-optimal control of time-varying discrete repetitive processes. , 2011, , .		1
18	Reduced-order ILC: The Internal Model Principle reconsidered. , 2011, , .		0

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19	Norm-optimal control of time-varying discrete repetitive processes with iteration-varying reference inputs. , 2011, , .		0
20	Multi-agent coordination by iterative learning control: Centralized and decentralized strategies. , 2011, , .		11
21	Dynamic Consensus Networks with Application to the Analysis of Building Thermal Processes*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3078-3083.	0.4	34
22	Trajectoryâ€keeping in satellite formation flying via robust periodic learning control. International Journal of Robust and Nonlinear Control, 2010, 20, 1655-1666.	3.7	117
23	Pose estimation of Ackerman steering vehicles for outdoors autonomous navigation. , 2010, , .		33
24	Model reference adaptive control of discrete repetitive processes in the iteration domain. , 2010, , .		2
25	Iteration-domain closed-loop frequency response shaping for discrete-repetitive processes. , 2010, , .		6
26	Internal model principle for discrete repetitive processes. , 2009, , .		13
27	Iteration domainHâˇž-optimal iterative learning controller design. International Journal of Robust and Nonlinear Control, 2008, 18, 1001-1017.	3.7	47
28	Iterative learning control and repetitive control in hard disk drive industryâ€"A tutorial. International Journal of Adaptive Control and Signal Processing, 2008, 22, 325-343.	4.1	120
29	l<inf>1</inf>-optimal robust iterative learning controller design. , 2008, , .		10
30	Stability of discrete-time iterative learning control with random data dropouts and delayed controlled signals in networked control systems. , 2008, , .		9
31	A Tutorial Introduction to Autonomous Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 11720-11731.	0.4	1
32	Discrete-time Intermittent Iterative Learning Controller with Independent Data Dropouts. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 12442-12447.	0.4	53
33	High-Order and Model Reference Consensus Algorithms in Cooperative Control of MultiVehicle Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2007, 129, 678-688.	1.6	358
34	Iterative Learning Control: Brief Survey and Categorization. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2007, 37, 1099-1121.	2.9	1,268
35	A New Arimoto-Type Algorithm to Estimate States for Repetitive Processes: Iterative Learning Observer (ILO). , 2007, , .		8
36	Stability Analysis and Control of Repetitive Trajectory Systems in the State-Domain: Roller Coaster Application. , 2007, , .		2

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37	Stability analysis of discrete-time iterative learning control systems with interval uncertainty. Automatica, 2007, 43, 892-902.	5.0	111
38	Spatial-based iterative learning control for motion control applications. Meccanica, 2007, 42, 167-175.	2.0	34
39	Iterative learning control of perspective dynamic systems. , 2006, , .		2
40	Iterative Learning Control Approach to a Diffusion Control Problem in an Irrigation Application. , 2006, , .		25
41	Maximum singular value and power of an interval matrix. , 2006, , .		2
42	A robust Schur stability condition for interval polynomial matrix systems. , 2006, , .		0
43	Intermittent iterative learning control. , 2006, , .		18
44	Iterative Learning Control: A Tutorial and Big Picture View. , 2006, , .		84
45	LMI Approach to Iterative Learning Control Design. , 2006, , .		5
46	Monotonically convergent iterative learning control for linear discrete-time systems. Automatica, 2005, 41, 1529-1537.	5.0	105
47	Learning Feedforward Control Using a Dilated B-Spline Network: Frequency Domain Analysis and Design. IEEE Transactions on Neural Networks, 2004, 15, 355-366.	4.2	33
48	ON MONOTONIC CONVERGENCE OF HIGH ORDER ITERATIVE LEARNING UPDATE LAWS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 19-24.	0.4	23
49	A small mobile robot for security and inspection operations. Control Engineering Practice, 2002, 10, 1265-1270.	5.5	17
50	Analytical stability bound for delayed second-order systems with repeating poles using Lambert function W. Automatica, 2002, 38, 891-895.	5.0	40
51	Analytical Stability Bound for a Class of Delayed Fractional-Order Dynamic Systems. Nonlinear Dynamics, 2002, 29, 191-200.	5.2	177
52	A Practical Iterative Learning Path€Following Control Of An Omni€Directional Vehicle. Asian Journal of Control, 2002, 4, 90-98.	3.0	40
53	A non-standard iterative learning control approach to tracking periodic signals in discrete-time non-linear systems. International Journal of Control, 2000, 73, 955-967.	1.9	44
54	Iterative Learning Control: An Expository Overview. , 1999, , 151-214.		245

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55	Finite-time disturbance attenuation control problem for singularly perturbed discrete-time systems. Optimal Control Applications and Methods, 1998, 19, 137-145.	2.1	9
56	Iterative Learning Control for Deterministic Systems. Advances in Industrial Control, 1993, , .	0.5	536
57	Maximal Domains of Attraction in a Hopfield Neural Network with Learning. , 1993, , .		1
58	An Approach to Learning in Hopfield Neural Networks. , 1993, , .		0
59	Neural Networks for Iterative Learning Control. , 1992, , .		3
60	Iterative learning control: A survey and new results. Journal of Field Robotics, 1992, 9, 563-594.	0.7	182
61	A Reinforcement-Learning Neural Network for the Control of Nonlinear Systems. , 1991, , .		4