

Jian-Xin Xu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

197
papers

5,273
citations

38
h-index

68
g-index

273
ext. papers

6,770
ext. citations

4.3
avg, IF

6.32
L-index

#	Paper	IF	Citations
197	Iterative Learning Control for Time-Varying Systems Subject to Variable Pass Lengths: Application to Robot Manipulators. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 8629-8637	8.9	13
196	An Iterative Learning Control Algorithm With Gain Adaptation for Stochastic Systems. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 1280-1287	5.9	19
195	An Internal Model Based Iterative Learning Control for Wafer Scanner Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019 , 24, 2073-2084	5.5	14
194	Distributed learning consensus control based on neural networks for heterogeneous nonlinear multiagent systems. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 4328-4347	3.6	13
193	An Evolutionary Constraint-Handling Technique for Parametric Optimization of a Cancer Immunotherapy Model. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2019 , 3, 151-162	4.1	5
192	. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 3106-3116	8.9	22
191	Adaptive Learning Control for Nonlinear Systems With Randomly Varying Iteration Lengths. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 1119-1132	10.3	44
190	Control of Dielectric Elastomer Soft Actuators Using Antagonistic Pairs. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019 , 24, 2862-2872	5.5	12
189	Robust learning control for nonlinear systems with nonparametric uncertainties and nonuniform trial lengths. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 1302-1324	3.6	13
188	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 7579-7589	8.9	34
187	Dual IM-based ILC scheme for linear discrete-time systems with iteration-varying reference. <i>IET Control Theory and Applications</i> , 2018 , 12, 129-139	2.5	8
186	D-Type ILC Based Dynamic Modeling and Norm Optimal ILC for High-Speed Trains. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 652-663	4.8	45
185	Iterative Learning Control for Linear Discrete-Time Systems with Unknown High-Order Internal Models: A Time-Frequency Analysis Approach. <i>Asian Journal of Control</i> , 2018 , 20, 370-385	1.7	3
184	Motion Control of Robotic Fish Under Dynamic Environmental Conditions Using Adaptive Control Approach. <i>IEEE Journal of Oceanic Engineering</i> , 2018 , 43, 381-390	3.3	5
183	An equilibrium-based learning approach with application to robotic fish. <i>Nonlinear Dynamics</i> , 2018 , 94, 2715-2725	5	4
182	Analytic Modeling for Precise Speed Tracking of Multilink Robotic Fish. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 5665-5672	8.9	13
181	Probing the Impact of Reduced DC Capacitor Size in Variable Speed Drive Loads on Voltage Stability of the Distribution Network at High PV Penetration 2018 ,		3

180	Dynamic modeling and characteristics analysis of lateral-pendulum unicycle robot. <i>Robotica</i> , 2017 , 35, 537-568	2.1	3
179	Differential evolution based high-order peak filter design with application to compensation of contact-induced vibration in HDD servo systems. <i>International Journal of Automation and Computing</i> , 2017 , 14, 45-56	3.5	2
178	A Novel Markov Chain Based ILC Analysis for Linear Stochastic Systems Under General Data Dropouts Environments. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 5850-5857	5.9	51
177	Zero-error tracking of iterative learning control using probabilistically quantized measurements 2017 ,		3
176	A framework of iterative learning control under random data dropouts: Mean square and almost sure convergence. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017 , 31, 1825-1852	2.8	13
175	Data-Assisted Modeling and Speed Control of a Robotic Fish. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 4150-4157	8.9	15
174	Leader-follower synchronisation for networked Lagrangian systems with uncertainties: a learning approach. <i>International Journal of Systems Science</i> , 2016 , 47, 956-965	2.3	16
173	Terminal Sliding Mode Control for speed tracking of a Carangiform robotic fish 2016 ,		2
172	Generation undulatory locomotion of C. elegans in A crawling robot via biomimetic learning 2016 ,		1
171	A mathematical prognosis model for pancreatic cancer patients receiving immunotherapy. <i>Journal of Theoretical Biology</i> , 2016 , 406, 42-51	2.3	21
170	On adaptive iterative learning from tracking tasks with different magnitude and time scales 2016 ,		1
169	Adaptive Cross-Generation Differential Evolution Operators for Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 232-244	15.6	71
168	Robust iterative learning control for systems with norm-bounded uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 697-718	3.6	31
167	Spatial repetitive controller for minimizing circulating harmonic currents in modular multilevel converters for variable frequency applications 2016 ,		6
166	Application of iterative learning tuning to a dragonfly-like flapping wing micro aerial vehicle 2016 ,		2
165	A comparison of robotic fish speed control based on analytical and empirical models 2016 ,		4
164	A data-driven motion control approach for a robotic fish. <i>Journal of Bionic Engineering</i> , 2015 , 12, 382-394.	2.7	26
163	Towards improvement of MI-BCI performance of subjects with BCI deficiency 2015 ,		5

162	A motion control approach for a robotic fish with iterative feedback tuning 2015 ,		3
161	Observer based repetitive learning control for a class of nonlinear systems with non-parametric uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 1214-1229	3.6	21
160	A MATHEMATICAL MODEL OF IMMUNE RESPONSE TO TUMOR INVASION INCORPORATED WITH DANGER MODEL. <i>Journal of Biological Systems</i> , 2015 , 23, 505-526	1.6	5
159	Iterative learning control design for linear discrete-time systems with multiple high-order internal models. <i>Automatica</i> , 2015 , 62, 65-76	5.7	56
158	Lifted system framework for learning control with different trial lengths. <i>International Journal of Automation and Computing</i> , 2015 , 12, 273-280	3.5	16
157	Synchronization of Heterogeneous Multi-Agent Systems by Adaptive Iterative Learning Control. <i>Asian Journal of Control</i> , 2015 , 17, 2091-2104	1.7	20
156	Iterative learning control for nonlinear dynamic systems with randomly varying trial lengths. <i>International Journal of Adaptive Control and Signal Processing</i> , 2015 , 29, 1341-1353	2.8	66
155	Adaptive backstepping repetitive learning control design for nonlinear discrete-time systems with periodic uncertainties. <i>International Journal of Adaptive Control and Signal Processing</i> , 2015 , 29, 524-535	2.8	11
154	Precise Speed Tracking Control of a Robotic Fish Via Iterative Learning Control. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 1-1	8.9	38
153	Design and Implementation of Integral Sliding-Mode Control on an Underactuated Two-Wheeled Mobile Robot. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 3671-3681	8.9	198
152	Multi-agent consensus tracking with initial state error by iterative learning control 2014 ,		3
151	High-Performance Tracking of Piezoelectric Positioning Stage Using Current-Cycle Iterative Learning Control With Gain Scheduling. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 1085-1098	8.9	96
150	An Iterative Learning Control Approach for Linear Systems With Randomly Varying Trial Lengths. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 1954-1960	5.9	106
149	The predictive role of pre-cue EEG rhythms on MI-based BCI classification performance. <i>Journal of Neuroscience Methods</i> , 2014 , 235, 138-44	3	31
148	Novel and efficient local coordinated freeway ramp metering strategy with simultaneous perturbation stochastic approximation-based parameter learning. <i>IET Intelligent Transport Systems</i> , 2014 , 8, 581-589	2.4	1
147	Motion Control of a multi-joint robotic fish based on biomimetic learning 2014 ,		2
146	A barrier composite energy function approach for robot manipulators under alignment condition with position constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2014 , 24, 2840-2851	3.6	53
145	Discrete-time periodic adaptive control for parametric systems with non-sector nonlinearities. <i>International Journal of Adaptive Control and Signal Processing</i> , 2014 , 28, 987-1001	2.8	6

144	Modeling, Control and Locomotion Planning of an Anguilliform Robotic Fish. <i>Unmanned Systems</i> , 2014 , 02, 295-321	3	4
143	Composite energy function-based iterative learning control for systems with nonparametric uncertainties. <i>International Journal of Adaptive Control and Signal Processing</i> , 2014 , 28, 1-13	2.8	26
142	Iterative learning control for output-constrained systems with both parametric and nonparametric uncertainties. <i>Automatica</i> , 2013 , 49, 2508-2516	5.7	153
141	Consensus Based Approach for Economic Dispatch Problem in a Smart Grid. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 4416-4426	7	403
140	Biological modeling of complex chemotaxis behaviors for C. elegans under speed regulation--a dynamic neural networks approach. <i>Journal of Computational Neuroscience</i> , 2013 , 35, 19-37	1.4	12
139	Ballistic learning control: formulation, analysis and convergence. <i>Journal of Control Theory and Applications</i> , 2013 , 11, 325-335		1
138	Motion control for a multi-joint robotic fish with the pectoral fins assistance 2013 ,		1
137	Freeway ramp metering by macroscopic traffic scheduling with particle swarm optimization 2013 ,		3
136	State-Constrained Iterative Learning Control for a Class Of MIMO Systems. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 1322-1327	5.9	81
135	Targets tracking by UAVs in an urban area 2013 ,		1
134	Design and Implementation of a TakagiSugeno-Type Fuzzy Logic Controller on a Two-Wheeled Mobile Robot. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 5717-5728	8.9	73
133	Locomotion Generation and Motion Library Design for an Anguilliform Robotic Fish. <i>Journal of Bionic Engineering</i> , 2013 , 10, 251-264	2.7	14
132	A GIM-Based Biomimetic Learning Approach for Motion Generation of a Multi-Joint Robotic Fish. <i>Journal of Bionic Engineering</i> , 2013 , 10, 423-433	2.7	17
131	Proportional Navigation With Delayed Line-of-Sight Rate. <i>IEEE Transactions on Control Systems Technology</i> , 2013 , 21, 247-253	4.8	18
130	Optimization of Distribution Network Incorporating Distributed Generators: An Integrated Approach. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 2421-2432	7	99
129	On optimal freeway local ramp metering using fuzzy logic control with particle swarm optimisation. <i>IET Intelligent Transport Systems</i> , 2013 , 7, 95-104	2.4	13
128	A study on torque modelling of switched reluctance motors 2013 ,		3
127	On the asymptotic property analysis for a class of adaptive control systems with Γ modification. <i>International Journal of Adaptive Control and Signal Processing</i> , 2013 , 27, 620-634	2.8	0

126	Consensus based approach for economic dispatch problem in a smart grid 2013 ,		2
125	Iterative learning control of linear distributed parameter systems-frequency domain design and analysis 2013 ,		1
124	An iterative learning control approach for synchronization of multi-agent systems under iteration-varying graph 2013 ,		5
123	Extreme Precise Motion Tracking of Piezoelectric Positioning Stage Using Sampled-Data Iterative Learning Control. <i>IEEE Transactions on Control Systems Technology</i> , 2013 , 21, 1432-1439	4.8	34
122	Modified Iterative-Learning-Control-Based Ramp Metering Strategies for Freeway Traffic Control With Iteration-Dependent Factors. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2012 , 13, 606-618	6.1	38
121	Adaptive Iterative learning control for multi-agent systems consensus tracking 2012 ,		14
120	A Lyapunov Function-Based Robust Direct Torque Controller for a Switched Reluctance Motor Drive System. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 555-564	7.2	94
119	Iterative learning control for systems with nonparametric uncertainties under alignment condition 2012 ,		4
118	Feature selection for tool wear monitoring: A comparative study 2012 ,		4
117	Generation of robotic fish locomotion through biomimetic learning 2012 ,		5
116	Optimization of distribution network incorporating microgrid using vaccine-AIS 2012 ,		4
115	Complex chemotaxis behaviors of <i>C. elegans</i> with speed regulation achieved by dynamic neural networks 2012 ,		3
114	MODELING AND CONTROL DESIGN OF AN ANGUILLIFORM ROBOTIC FISH. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2012 , 03, 1250018	0.8	2
113	A Physically Segmented Hidden Markov Model Approach for Continuous Tool Condition Monitoring: Diagnostics and Prognostics. <i>IEEE Transactions on Industrial Informatics</i> , 2012 , 8, 964-973	11.9	82
112	GA based high-order peak filter design with application to compensation of contact-induced vibration in HDD servo systems 2012 ,		1
111	Sampled-data iterative learning control for a piezoelectric motor 2012 ,		1
110	Iterative learning control for multi-agent systems consensus tracking 2012 ,		7
109	A multi-modal hidden Markov model based approach for continuous health assessment in machinery systems 2011 ,		2

108	Adaptive learning control for finite interval tracking based on constructive function approximation and wavelet. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 893-905		13
107	A survey on iterative learning control for nonlinear systems. <i>International Journal of Control</i> , 2011 , 84, 1275-1294	1.5	255
106	Optimization of economic load dispatch for a microgrid using evolutionary computation 2011 ,		17
105	Continuous health condition monitoring: A single Hidden Semi-Markov Model approach 2011 ,		9
104	An ILC scheme for a class of nonlinear continuous-time systems with time-iteration-varying parameters subject to second-order internal model. <i>Asian Journal of Control</i> , 2011 , 13, 126-135	1.7	15
103	A HOIM-based iterative learning control scheme for multi-agent formation 2011 ,		17
102	Real coded GA-based SVM for motor imagery classification in a Brain-Computer Interface 2011 ,		1
101	Development of real-time control system for single-wheeled inverted pendulum platform 2011 ,		2
100	A Complementary Modularized Ramp Metering Approach Based on Iterative Learning Control and ALINEA. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2011 , 12, 1305-1318	6.1	24
99	Corrections to A High-Order Internal Model Based Iterative Learning Control Scheme for Nonlinear Systems With Time-Iteration-Varying Parameters[Nov 10 2665-2670]. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 235-235	5.9	2
98	Pendulum-balanced autonomous unicycle: Conceptual design and dynamics model 2011 ,		3
97	Frequency-shaping optimal compensation of low fly-height vibration in high density HDD servo systems 2011 ,		1
96	Gait generation and sliding mode control design for anguilliform biomimetic robotic fish 2011 ,		2
95	Biological neural network based chemotaxis behaviors modeling of <i>C. elegans</i> 2010 ,		1
94	Classification of musical styles using liquid state machines 2010 ,		4
93	Fuzzy logic controller for freeway ramp metering with particle swarm optimization and PARAMICS simulation 2010 ,		1
92	Modelling human falling process based on a five-link bipedal robot 2010 ,		1
91	A High-Order Internal Model Based Iterative Learning Control Scheme for Nonlinear Systems With Time-Iteration-Varying Parameters. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 2665-2670	5.9	95

90	Analysis of proportional-navigation guidance law with delayed line-of-sight rate 2010 ,		2
89	Modeling and compensation of low fly-height vibrations in high density Hard Disk Drive servo systems 2010 ,		9
88	Two optimization algorithms for solving robotics inverse kinematics with redundancy. <i>Journal of Control Theory and Applications</i> , 2010 , 8, 166-175		11
87	On iterative learning control design for tracking iteration-varying trajectories with high-order internal model. <i>Journal of Control Theory and Applications</i> , 2010 , 8, 309-316		13
86	On iterative learning control with high-order internal models. <i>International Journal of Adaptive Control and Signal Processing</i> , 2010 , 24, 731-742	2.8	31
85	Iterative learning control with high-order internal model for linear time-varying systems 2009 ,		5
84	Flow based local ramp metering using iterative learning and PARAMICS platform 2009 ,		2
83	On iterative learning control with high-order internal models 2009 ,		2
82	An ILC scheme for a class of nonlinear systems with time-varying parameters subject to second-order internal model 2009 ,		3
81	A dual-loop iterative learning control for nonlinear systems with hysteresis input uncertainty 2009 ,		1
80	Iterative learning control of freeway flow via ramp metering and simulation on PARAMICS 2009 ,		2
79	Iterative learning control for network systems with communication delay or data dropout 2009 ,		9
78	Iterative learning control design with high-order internal model for nonlinear systems 2009 ,		5
77	A discrete-time periodic adaptive control approach for parametric-strict-feedback systems 2009 ,		6
76	. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 3619-3627	8.9	51
75	A sliding mode control scheme for an underactuated unicycle 2009 ,		1
74	ADAPTIVE ROBUST CONTROL OF UNCERTAIN SYSTEMS WITH TIME-VARYING STATE DELAY. <i>Asian Journal of Control</i> , 2008 , 2, 16-23	1.7	2
73	Recursive Direct Learning of Control Efforts for Trajectories with Different Magnitude Scales. <i>Asian Journal of Control</i> , 2008 , 4, 49-59	1.7	7

72	Review of torque ripple minimization in PM synchronous motor drives 2008 ,		24
71	A general internal model approach for motion learning. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 477-87		7
70	Dual frame control scheme with a plug-in frequency domain based repetitive controller for three phase PWM boost rectifier under distorted and unbalanced supply voltages 2008 ,		1
69	Optimal Tuning of PID Parameters Using Iterative Learning Approach. <i>SICE Journal of Control Measurement and System Integration</i> , 2008 , 1, 143-154	0.3	13
68	Analysis and Experimental Validation of the Output Voltage and Input Current Performances in Three Phase PWM Boost Rectifiers Under Unbalanced and Distorted Supply Voltage Conditions. <i>Control Applications (CCA), Proceedings of the IEEE International Conference on</i> , 2007 ,		1
67	Supply-side Current Harmonics Control of Three Phase PWM Boost Rectifiers Under Distorted and Unbalanced Supply Voltage Conditions 2007 ,		6
66	Nonlinear adaptive wavelet control using constructive wavelet networks. <i>IEEE Transactions on Neural Networks</i> , 2007 , 18, 115-27		43
65	Freeway Traffic Control Using Iterative Learning Control-Based Ramp Metering and Speed Signaling. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 466-477	6.8	74
64	On Learning Wavelet Control for Affine Nonlinear Systems. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	1
63	A General Internal Model Approach For Motion Learning 2007 ,		1
62	Effect of Pulse-Width Modulation Schemes on the Performance of Three-Phase Voltage Source Converter 2007 ,		6
61	Two Optimization Algorithm for Solving Robotics Inverse Kinematics with Redundancy 2007 ,		2
60	Optimal Tuning of PID Parameters Using Iterative Learning Approach 2007 ,		7
59	Iterative Learning in Ballistic Control. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	5
58	Analysis and Control of the Output Instantaneous Power for Three Phase PWM Boost Rectifier Under Unbalanced Supply Voltage Conditions. <i>Industrial Electronics Society (IECON), Annual Conference of IEEE</i> , 2006 ,		1
57	On Repetitive Learning Control for Periodic Tracking Tasks. <i>IEEE Transactions on Automatic Control</i> , 2006 , 51, 1842-1848	5.9	64
56	Comments on "Asymptotic state tracking in a class of nonlinear systems via learning-based Inversion". <i>IEEE Transactions on Automatic Control</i> , 2006 , 51, 720-720	5.9	
55	Iterative learning control for systems with input deadzone. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 1455-1459	5.9	31

- 54 On initial conditions in iterative learning control. *IEEE Transactions on Automatic Control*, **2005**, 50, 1349-1354 145
- 53 Delay-dependent stability and stabilizability of uncertain jump bilinear stochastic systems with mode-dependent time-delays. *International Journal of Systems Science*, **2005**, 36, 275-285 2.3 21
- 52 Iterative learning control approach for ramp metering. *Journal of Control Theory and Applications*, **2005**, 3, 27-34 3
- 51 Indirect torque control of switched reluctance motors using iterative learning control. *IEEE Transactions on Power Electronics*, **2005**, 20, 200-208 7.2 66
- 50 On nonlinear H ∞ sliding mode control for a class of nonlinear cascade systems. *International Journal of Systems Science*, **2005**, 36, 983-992 2.3 12
- 49 Sliding mode control with closed-loop filtering architecture for a class of nonlinear systems. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2004**, 51, 168-173 26
- 48 A new periodic adaptive control approach for time-varying parameters with known periodicity. *IEEE Transactions on Automatic Control*, **2004**, 49, 579-583 5.9 96
- 47 Torque ripple minimization in PM synchronous motors using iterative learning control. *IEEE Transactions on Power Electronics*, **2004**, 19, 272-279 7.2 203
- 46 Nonlinear integral-type sliding surface for both matched and unmatched uncertain systems. *IEEE Transactions on Automatic Control*, **2004**, 49, 1355-1360 5.9 275
- 45 Observer based learning control for a class of nonlinear systems with time-varying parametric uncertainties. *IEEE Transactions on Automatic Control*, **2004**, 49, 275-281 5.9 38
- 44 A modular control scheme for PMSM speed control with pulsating torque minimization. *IEEE Transactions on Industrial Electronics*, **2004**, 51, 526-536 8.9 124
- 43 On iterative learning from different tracking tasks in the presence of time-varying uncertainties. *IEEE Transactions on Systems, Man, and Cybernetics*, **2004**, 34, 589-97 136
- 42 Fixed point theorem-based iterative learning control for LTV systems with input singularity. *IEEE Transactions on Automatic Control*, **2003**, 48, 487-492 5.9 6
- 41 Direct learning control design for a class of linear time-varying switched systems. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2003**, 50, 1116-1120 2
- 40 Observer-based iterative learning control for a class of time-varying nonlinear systems. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2003**, 50, 452-455 34
- 39 Guaranteed cost control for uncertain Markovian jump systems with mode-dependent time-delays. *IEEE Transactions on Automatic Control*, **2003**, 48, 2270-2276 5.9 134
- 38 Robust optimal design and convergence properties analysis of iterative learning control approaches. *Automatica*, **2002**, 38, 1867-1880 5.7 79
- 37 TIME DELAYED REPETITIVE LEARNING CONTROL FOR CHAOTIC SYSTEMS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2002**, 12, 1057-1065 2 23

36	On functional approximation of the equivalent control using learning variable structure control. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 824-830	5.9	6
35	Asymptotic learning control for a class of cascaded nonlinear uncertain systems. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 1369-1376	5.9	27
34	A composite energy function-based learning control approach for nonlinear systems with time-varying parametric uncertainties. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 1940-1945	5.9	122
33	Oscillation elimination of tip regulation for a single-link flexible manipulator. <i>International Journal of Robust and Nonlinear Control</i> , 2001 , 11, 267-285	3.6	0
32	A suboptimal learning control scheme for non-linear systems with time-varying parametric uncertainties. <i>Optimal Control Applications and Methods</i> , 2001 , 22, 111-126	1.7	9
31	Robust and almost perfect periodic tracking of nonlinear systems using repetitive VSC 2001 ,		1
30	Nonlinear integral-type sliding surface for both matched and unmatched uncertain systems 2001 ,		1
29	A gain shaped sliding mode control scheme using filtering techniques with applications to multi-link robotic manipulators 2001 ,		2
28	Robust learning control for robotic manipulators with an extension to a class of non-linear systems. <i>International Journal of Control</i> , 2000 , 73, 858-870	1.5	48
27	Adaptive robust control schemes for a class of nonlinear uncertain descriptor systems. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2000 , 47, 957-962		14
26	On the design of a nonlinear adaptive variable structure derivative estimator. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 1028-1033	5.9	15
25	Dual-scale direct learning control of trajectory tracking for a class of nonlinear uncertain systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1999 , 32, 2552-2557		3
24	Comparative studies on neuro-assisted iterative learning control schemes. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1999 , 32, 1463-1468		
23	Self-tuning type variable structure control method for a class of nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 1998 , 8, 1133-1153	3.6	3
22	Tuning and analysis of a fuzzy PI controller based on gain and phase margins. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 1998 , 28, 685-691		27
21	High-order iterative learning identification of projectile's aerodynamic drag coefficient curve from radar measured velocity data. <i>IEEE Transactions on Control Systems Technology</i> , 1998 , 6, 563-570	4.8	29
20	Controller design for a class of nonlinear multi-input systems using modified sliding mode. <i>International Journal of Systems Science</i> , 1997 , 28, 777-789	2.3	4
19	An adaptive robust control scheme for a class of nonlinear uncertain systems. <i>International Journal of Systems Science</i> , 1997 , 28, 429-434	2.3	10

18	Design of variable structure controllers with continuous switching control. <i>International Journal of Control</i> , 1996 , 65, 409-431	1.5	19
17	Parameter identification methodologies based on variable structure control. <i>International Journal of Control</i> , 1993 , 57, 1207-1220	1.5	40
16	Current iteration tracking error assisted iterative learning control of uncertain nonlinear discrete-time systems		7
15	Extracting projectile's aerodynamic drag coefficient curve via high-order iterative learning identification		2
14	A high-order terminal iterative learning control scheme [RTP-CVD application]		14
13	Iterative learning control strategy for functional neuromuscular stimulation		1
12	On the Discrete-Time Integral Sliding Mode Control		6
11	Control of High Performance DC-AC Inverters Using Frequency Domain Based Repetitive Control		2
10	A multiple internal model approach to movement planning		2
9	A multirate iterative learning control scheme		1
8	Fuzzy PD iterative learning control algorithm for improving tracking accuracy		1
7	New ILC algorithms with improved convergence for a class of non-affine functions		2
6	Variable structure control of general nonlinear systems and its implementation by nonlinear observers		2
5	Analysis of continuous iterative learning control systems using current cycle feedback		2
4	Fuzzy Petri net-based optimum scheduling of FMS with human factors		1
3	An initial state learning method for iterative learning control of uncertain time-varying systems		7
2	On the convergence speed of a class of higher-order ILC schemes		3
1	Learning unknown functions in cascaded nonlinear systems		1

