

# Eric Rogers

## List of Publications by Year in descending order

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338  
papers

4,298  
citations

117625

34  
h-index

149698

56  
g-index

345  
all docs

345  
docs citations

345  
times ranked

1982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Disturbance observer-based predictive repetitive control with constraints. International Journal of Control, 2022, 95, 1060-1069.	1.9	5
2	New relaxed stability and stabilization conditions for both discrete and differential linear repetitive processes. Multidimensional Systems and Signal Processing, 2022, 33, 223-245.	2.6	2
3	Constrained Iterative Learning Control for Linear Time-Varying Systems With Experimental Validation on a High-Speed Rack Feeder. IEEE Transactions on Control Systems Technology, 2022, 30, 1834-1846.	5.2	7
4	Broiler FCR Optimization Using Norm Optimal Terminal Iterative Learning Control. IEEE Transactions on Control Systems Technology, 2021, 29, 580-592.	5.2	12
5	Terrain-Aided navigation for long-range AUVs in dynamic undermapped environments. Journal of Field Robotics, 2021, 38, 402-428.	6.0	13
6	Terrain-Aided Navigation With Coarse Maps Toward an Arctic Crossing With an AUV. IEEE Journal of Oceanic Engineering, 2021, 46, 1192-1212.	3.8	17
7	Constructing the Singular Roesser State-Space Model Description of 3D Spatio-Temporal Dynamics From the Polynomial System Matrix. IEEE Access, 2021, 9, 45632-45641.	4.2	1
8	Modeling and iterative learning control of spatially distributed parameter systems with sensing and actuation over a selected area of the domain. Multidimensional Systems and Signal Processing, 2021, 32, 1237-1258.	2.6	1
9	Iterative Learning Control for a Class of Multivariable Distributed Systems With Experimental Validation. IEEE Transactions on Control Systems Technology, 2021, 29, 949-960.	5.2	7
10	Terminal sliding mode-based tracking control with error transformation for underwater vehicles. International Journal of Robust and Nonlinear Control, 2021, 31, 7186-7206.	3.7	9
11	Dynamic Output-Only Iterative Learning Control Design. IEEE Access, 2021, , 1-1.	4.2	1
12	Robust Iterative Learning Control for Spatially Interconnected Systems using 2D Control Theory <sup>*</sup> , 2021, , .		0
13	Repetitive Process based Design of Dynamic Iterative Learning Controllers. , 2021, , .		0
14	Novel controller design procedure for output based ILC update laws applied to discrete-time polytopic systems. , 2021, , .		0
15	Iterative Learning Control of Stochastic Linear Systems with Reference Trajectory Switching. , 2021, , .		3
16	Extended state observer based indirect-type ILC for single-input single-output batch processes with time- and batch-varying uncertainties. Automatica, 2020, 112, 108673.	5.0	32
17	Modeling and control of multimass systems in terms of 2D systems <sup>*</sup> . , 2020, , .		1
18	Repetitive process based stochastic iterative learning control design for linear dynamics. Systems and Control Letters, 2020, 137, 104625.	2.3	7

#	ARTICLE	IF	CITATIONS
19	A New LMI-Based Controller Design Method for Uncertain Differential Repetitive Processes. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 184-196.	0.6	1
20	Robust Iterative Learning Control for ladder circuits with mixed uncertainties. , 2020, , .		1
21	Application of the Dynamic Iterative Learning Control to the Heteroplanar Active Magnetic Bearing. <i>IFAC-PapersOnLine</i> , 2020, 53, 1511-1516.	0.9	1
22	Disturbance Observer Based Repetitive Control System with Non-minimal State Space Realization and Anti-windup Mechanism. <i>IFAC-PapersOnLine</i> , 2020, 53, 1505-1510.	0.9	0
23	New relaxed stability and stabilization conditions for differential linear repetitive processes. <i>IFAC-PapersOnLine</i> , 2020, 53, 1462-1467.	0.9	0
24	Iterative Learning Control for Switched Systems in the Presence of Input Saturation. <i>IFAC-PapersOnLine</i> , 2020, 53, 1444-1449.	0.9	3
25	Terrain-aided navigation for long-endurance and deep-rated autonomous underwater vehicles. <i>Journal of Field Robotics</i> , 2019, 36, 447-474.	6.0	52
26	Experimental analysis of low-altitude terrain following for hover-capable flight-style autonomous underwater vehicles. <i>Journal of Field Robotics</i> , 2019, 36, 1399-1421.	6.0	6
27	Iterative Learning Control Design for Discrete Stochastic Linear Systems. , 2019, , .		2
28	Finite frequency range iterative learning fault-tolerant control for discrete time-delay uncertain systems with actuator faults. <i>ISA Transactions</i> , 2019, 95, 152-163.	5.7	21
29	Characterization of a class of spatially interconnected systems (ladder circuits) using two-dimensional systems theory. <i>Multidimensional Systems and Signal Processing</i> , 2019, 30, 2185-2197.	2.6	6
30	Iterative Learning Control with Input Saturation. <i>IFAC-PapersOnLine</i> , 2019, 52, 338-343.	0.9	6
31	2D Systems based Dynamic Iterative Learning Control Design with Experimental Validation on a 3D Crane Model. <i>IFAC-PapersOnLine</i> , 2019, 52, 332-337.	0.9	2
32	Dissipative Stabilization of Nonlinear Repetitive Processes with an Iterative Learning Control Application. , 2019, , .		1
33	Design of iterative learning control schemes for spatially interconnected systems. , 2019, , .		3
34	Constrained Observer Based Iterative Learning Control Design in the Repetitive Process Setting. , 2019, , .		0
35	Iterative learning control of the displacements of a cantilever beam. , 2019, , .		6
36	Trajectory Tracking Control for Autonomous Underwater Vehicles Based on Fuzzy Re-Planning of a Local Desired Trajectory. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 11657-11667.	6.3	46

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37	A simple structure iterative learning algorithm experimentally validated for mobile robot path-tracking. , 2019, , .		0
38	Design and Experimental Validation of an Adaptive Sliding Mode Observer-Based Fault-Tolerant Control for Underwater Vehicles. IEEE Transactions on Control Systems Technology, 2019, 27, 2655-2662.	5.2	43
39	Performance-Enhanced Robust Iterative Learning Control With Experimental Application to PMSM Position Tracking. IEEE Transactions on Control Systems Technology, 2019, 27, 1813-1819.	5.2	52
40	Control for performance of ladder circuits with nonlinear elements. , 2019, , .		2
41	Equivalent 2-D nonsingular Roesser models for discrete linear repetitive processes. International Journal of Control, 2018, 91, 2673-2681.	1.9	4
42	Experimentally verified multi-objective iterative learning control design with frequency domain specifications. , 2018, , .		2
43	Stability and stabilization of differential repetitive processes with time-delays over finite frequency ranges. , 2018, , .		0
44	Repetitive Process Based Design of PD-Type Iterative Learning Control Laws. , 2018, , .		1
45	Dynamic Modeling and Computed Torque Control of Flexure Jointed TVC Systems. , 2018, , .		1
46	Wind Turbine Aerodynamic Load Fluctuation Reduction Using Model Based Iterative Learning Control. , 2018, , .		2
47	Iterative Learning Control of Repetitive Transverse Loads in Elastic Materials. , 2018, , .		7
48	Towards Less Conservative Conditions for ILC Design in the Two-Dimensional (2D) Systems Setting. , 2018, , .		2
49	Passivity Based Iterative Learning Control Design in the Discrete Repetitive Process Setting. , 2018, , .		0
50	Towards Arctic AUV Navigation. IFAC-PapersOnLine, 2018, 51, 287-292.	0.9	9
51	Boiler Growth Optimization Using Norm Optimal Terminal Iterative Learning Control. , 2018, , .		1
52	Iterative learning control of a distributed heating system described by a non-minimum phase model. , 2018, , .		1
53	Passivity based stabilization of repetitive processes and iterative learning control design. Systems and Control Letters, 2018, 122, 101-108.	2.3	9
54	Iterative Learning Control Design for Uncertain Time-Delay Systems by Generalized KYP Synthesis. , 2018, , .		0

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55	Application of a Frequency-Discretization Technique for Stability and Control of Uncertain Differential Linear Repetitive Processes. , 2018, , .		3
56	Stabilization of Two-Dimensional Nonlinear Systems Described by Fornasini–Marchesini and Roesser Models. SIAM Journal on Control and Optimization, 2018, 56, 3848-3866.	2.1	15
57	Control systems analysis for the Fornasini-Marchesini 2D systems model “ progress after four decades. International Journal of Control, 2018, 91, 2801-2822.	1.9	10
58	Two-dimensional (2D) systems approach to feedforward/feedback control of a class of spatially interconnected systems. International Journal of Control, 2018, 91, 2780-2791.	1.9	10
59	Iterative learning control for stroke rehabilitation with input dependent muscle fatigue modeling. , 2018, , .		2
60	Modified Newton method based iterative learning control design for discrete nonlinear systems with constraints. Systems and Control Letters, 2018, 118, 35-43.	2.3	17
61	Robustness and load disturbance conditions for state based iterative learning control. Optimal Control Applications and Methods, 2018, 39, 1965-1975.	2.1	4
62	Iterative learning fault-tolerant control for differential time-delay batch processes in finite frequency domains. Journal of Process Control, 2017, 56, 112-128.	3.3	81
63	Stability analysis of 2D Roesser systems via vector Lyapunov functions * *This work is supported in part by Russian Foundation for Basic Research under grants 16-08-00916_a, 16-38-00192_mol_a and in part by National Science Centre in Poland under grant 2015/17/B/ST7/03703.. IFAC-PapersOnLine, 2017, 50, 4126-4131.	0.9	0
64	Load reduction in wind turbines with smart rotors using trial varying iterative learning control law. , 2017, , .		3
65	Extended LMI characterization of some control problems for linear repetitive processes. , 2017, , .		0
66	A practically tractable iterative learning control scheme for a circular deformable mirror. , 2017, , .		1
67	Iterative learning control of a class of ladder circuits represented by descriptor systems. , 2017, , .		0
68	Further results on dynamic iterative learning control law design using repetitive process stability theory. , 2017, , .		4
69	Passivity based iterative learning control of differential systems. , 2017, , .		0
70	New results on higher-order iterative learning control for discrete linear systems. , 2017, , .		1
71	Discrete Roesser state models from 2D vector-geometric trajectories. , 2017, , .		0
72	Stability theory for a class of linear nonnegative multidimensional discrete systems. , 2017, , .		0

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73	Observer-based iterative learning control design in the repetitive process setting * *This work is partially supported by National Science Centre in Poland, grant No. 2014/15/B/ST7/03208. IFAC-PapersOnLine, 2017, 50, 13390-13395.	0.9	8
74	Reduction of discrete linear repetitive processes to nonsingular Roesser models via elementary operations * *The authors wish to express their thanks to Sultan Qaboos University (Oman) for their support in carrying out this research work. Also, this work is partially supported by National Science Centre in Poland, grant No. 2015/17/B/ST7/03703.. IFAC-PapersOnLine, 2017, 50, 1865-1870.	0.9	2
75	Modeling and Iterative Learning Control of a Circular Deformable Mirror * *This work is partially supported by National Science Centre in Poland, grant No.2015/17/B/ST7/03703.. IFAC-PapersOnLine, 2017, 50, 3117-3122.	0.9	2
76	Higher-order Iterative Learning Control Law Design using Linear Repetitive Process Theory: Convergence and Robustness. IFAC-PapersOnLine, 2017, 50, 3123-3128.	0.9	3
77	Observer-based Predictive Repetitive Control with Experimental Validation. IFAC-PapersOnLine, 2017, 50, 3674-3679.	0.9	1
78	Experimental Evaluation of Automatic Tuning of PID Controllers for an Electro-Mechanical System. IFAC-PapersOnLine, 2017, 50, 3063-3068.	0.9	7
79	Pass profile exponential and asymptotic stability of nonlinear repetitive processes * *This work was supported in part by Russian Foundation for Basic Research under grants 16-08-00916_a, 16-38-00304_mol_a and in part by National Science Center in Poland under grant 2015/17/B/ST7/03703.. IFAC-PapersOnLine, 2017, 50, 4138-4143.	0.9	1
80	Reduction of wave linear repetitive processes to singular Roesser model form. , 2017, , .		2
81	Trajectory tracking control integrating local trajectory re-planning for autonomous underwater vehicle. , 2017, , .		1
82	Iterative learning control applied to a deformable mirror. , 2017, , .		0
83	Iterative Learning Control for a discretized sub-class of spatially interconnected systems. Advances in Intelligent Systems and Computing, 2017, , 744-753.	0.6	3
84	Evaluating the Capabilities of a Flight-Style Swarm AUV to Perform Emergent and Adaptive Behaviours. Lecture Notes in Computer Science, 2017, , 237-246.	1.3	0
85	Learning filter design for ILC schemes using FIR approximation over a finite frequency range. Advances in Intelligent Systems and Computing, 2017, , 754-763.	0.6	0
86	Iterative Learning Control for a class of spatially interconnected systems. Advances in Intelligent Systems and Computing, 2017, , 734-743.	0.6	0
87	Co-operative Use of Marine Autonomous Systems to Enhance Navigational Accuracy of Autonomous Underwater Vehicles. Lecture Notes in Computer Science, 2016, , 275-281.	1.3	9
88	Terrain Aided Navigation for Long Range AUV operations at arctic latitudes. , 2016, , .		14
89	Evaluation of terrain collision risks for flight style autonomous underwater vehicles. , 2016, , .		5
90	LMI-based gain scheduled ILC design for linear parameter-varying systems. , 2016, , .		1

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91	Repetitive process based higher-order iterative learning control law design. , 2016, , .		1
92	Weak stability of nonlinear repetitive processes. , 2016, , .		1
93	Generalized Kalman-Yakubovich-Popov lemma based stability conditions for 2D linear systems. , 2016, , .		0
94	Robust iterative learning control laws with full dynamics. , 2016, , .		1
95	Iterative learning control design based on feedback linearization and nonlinear repetitive process stability theory. , 2016, , .		4
96	A frequency-partitioning approach to robust output control of uncertain discrete linear repetitive processes. , 2016, , .		3
97	Iterative Learning Control as an Enabler for Robotic-Assisted Upper Limb Stroke Rehabilitation. Studies in Systems, Decision and Control, 2016, , 157-187.	1.0	0
98	Dissipativity and stabilization of nonlinear repetitive processes. Systems and Control Letters, 2016, 91, 14-20.	2.3	40
99	Predictive iterative learning control with experimental validation. Control Engineering Practice, 2016, 53, 24-34.	5.5	25
100	Robust finite frequency design of iterative learning control schemes**This work is partially supported by National Science Centre in Poland, grant No. 2014/15/B/ST7/03208. IFAC-PapersOnLine, 2016, 49, 169-174.	0.9	3
101	Analysis of Performance Indices for Simulated Skeleton Descents. Procedia Engineering, 2016, 147, 712-717.	1.2	2
102	Design of iterative learning control schemes for systems with sector-bounded nonlinearities. , 2016, , .		0
103	Stability and stabilization of the subclass of 2D systems modeled as descriptor systems. , 2016, , .		1
104	An unconditionally stable approximation of a circular flexible plate described by a fourth order partial differential equation. , 2016, , .		10
105	Iterative learning control with applications in energy generation, lasers and health care. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20150569.	2.1	6
106	Subspace algorithm for identifying bilinear repetitive processes with deterministic inputs. , 2016, , .		0
107	Robustness of uncertain discrete linear repetitive processes with disturbance attenuation. , 2016, , .		1
108	Iterative learning control laws with full dynamics. , 2016, , .		1

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109	Parameter-dependent Lyapunov function-based robust iterative learning control for discrete systems with actuator faults. International Journal of Adaptive Control and Signal Processing, 2016, 30, 1714-1732.	4.1	9
110	Experimentally verified generalized KYP Lemma based iterative learning control design. Control Engineering Practice, 2016, 53, 57-67.	5.5	76
111	Repetitive process based design and experimental verification of a dynamic iterative learning control law. Control Engineering Practice, 2016, 46, 157-165.	5.5	20
112	Iterative learning control applied to a non-linear vortex panel model for improved aerodynamic load performance of wind turbines with smart rotors. International Journal of Control, 2016, 89, 55-68.	1.9	14
113	Output feedback control of discrete linear repetitive processes over finite frequency ranges. , 2015, , .		0
114	Iterative learning control for load control of smart turbine blades with variable rotation rates. , 2015, , .		0
115	The Fornasini-Marchesini model &#x2014; Its role in the analysis and control of physical systems. , 2015, , .		1
116	Parameter-Dependent Lyapunov Functions in the Robust Control of Discrete Linear Repetitive Processes Using Previous Pass-Windowed Information. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2015, 1, .	1.1	3
117	Exploiting the use of noncausal finite time interval data in iterative learning control law design. , 2015, , .		0
118	An unconditionally stable finite difference scheme systems described by second order partial differential equations. , 2015, , .		9
119	Stability of stochastic repetitive processes. , 2015, , .		0
120	Experimental validation of constrained ILC approaches for a high speed rack feeder. , 2015, , .		3
121	Design of iterative learning control schemes for systems with zero Markov parameters. , 2015, , .		4
122	Stabilization of nonlinear 2D Fornasini-Marchesini and Roesser systems. , 2015, , .		6
123	Reducing conservativeness in robust iterative learning control (ILC) design using parameter-dependent Lyapunov functions. , 2015, , .		1
124	Stabilization of stochastic 2D Fornasini-Marchesini systems. , 2015, , .		0
125	Exponential stability and stabilization of nD systems. , 2015, , .		2
126	Stability of nonlinear discrete repetitive processes with Markovian switching. Systems and Control Letters, 2015, 75, 108-116.	2.3	20



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127	New results on strong practical stability and stabilization of discrete linear repetitive processes. Systems and Control Letters, 2015, 77, 22-29.	2.3	18
128	Robust fault-tolerant iterative learning control for discrete systems via linear repetitive processes theory. International Journal of Automation and Computing, 2015, 12, 254-265.	4.5	5
129	Iterative Learning Control for Electrical Stimulation and Stroke Rehabilitation. Springer Briefs in Electrical and Computer Engineering, 2015, , .	0.5	26
130	International Journal of Control—50th Anniversary Editorial. International Journal of Control, 2015, 88, 1-1.	1.9	57
131	ILC Based Upper-Limb Rehabilitation—Planar Tasks. Springer Briefs in Electrical and Computer Engineering, 2015, , 25-61.	0.5	0
132	Dissipativity of Nonlinear 2D Systems—This work was performed by agreement No 2.1748.2014/K with Ministry of Education and Science of Russia and also supported in part by RFBR (grant No) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td Foundation (grant14-29-00142).. IFAC-PapersOnLine, 2015, 48, 784-789.	0.9	4
133	Failure identification for linear repetitive processes. Multidimensional Systems and Signal Processing, 2015, 26, 1037-1059.	2.6	5
134	Model predictive resonant control of a three-phase voltage source converter with selective harmonic compensation. , 2015, , .		4
135	Failure identification for 3D linear systems. Multidimensional Systems and Signal Processing, 2015, 26, 481-502.	2.6	10
136	Goal-Oriented Stroke Rehabilitation. Springer Briefs in Electrical and Computer Engineering, 2015, , 93-116.	0.5	0
137	Iterative Learning Control of the Unconstrained Upper Limb. Springer Briefs in Electrical and Computer Engineering, 2015, , 63-91.	0.5	0
138	H <sub>∞</sub> based stabilization and disturbance attenuation for nonlinear differential repetitive processes with an iterative learning control application. , 2014, , .		2
139	Influence of Nonminimum Phase Zeros on the Performance of Optimal Continuous-Time Iterative Learning Control. IEEE Transactions on Control Systems Technology, 2014, 22, 1151-1158.	5.2	14
140	Model predictive control of a hybrid autonomous underwater vehicle with experimental verification. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2014, 228, 166-179.	0.5	30
141	2D systems based iterative learning control design for multiple-input multiple-output systems. , 2014, , .		2
142	Design of iterative learning control algorithms by generalized KYP synthesis. , 2014, , .		1
143	Explicit Model Predictive Control Approach for Low-Thrust Spacecraft Proximity Operations. Journal of Guidance, Control, and Dynamics, 2014, 37, 1780-1790.	2.8	66
144	H <sub>∞</sub> based disturbance attenuation for iterative learning control. , 2014, , .		0

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145	Iterative Learning Control for Improved Aerodynamic Load Performance of Wind Turbines With Smart Rotors. IEEE Transactions on Control Systems Technology, 2014, 22, 967-979.	5.2	21
146	2D systems based robust iterative learning control using noncausal finite-time interval data. Systems and Control Letters, 2014, 64, 36-42.	2.3	40
147	Noncausal finite time interval iterative learning control law design. , 2014, , .		1
148	Iterative learning control for robotic-assisted upper limb stroke rehabilitation in the presence of muscle fatigue. Control Engineering Practice, 2014, 31, 63-72.	5.5	39
149	The application of precisely controlled functional electrical stimulation to the shoulder, elbow and wrist for upper limb stroke rehabilitation: a feasibility study. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 105.	4.6	66
150	Model predictive control of three phase voltage source converters with an LCL filter. , 2014, , .		1
151	Stability and Stabilization of Differential Nonlinear Repetitive Processes with Applications. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5467-5472.	0.4	6
152	Iterative Learning Control with Time Domain Prediction using Laguerre Functions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 395-400.	0.4	0
153	Vector Lyapunov Function based Stability of a Class of Applications Relevant 2D. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 8247-8252.	0.4	14
154	Passivity based stabilization of nonlinear 2D systems with application to iterative learning control. , 2014, , .		2
155	Strong practical stability and stabilization of uncertain discrete linear repetitive processes. Numerical Linear Algebra With Applications, 2013, 20, 220-233.	1.6	8
156	A common setting for the design of iterative learning and repetitive controllers with experimental verification. International Journal of Adaptive Control and Signal Processing, 2013, 27, 230-249.	4.1	18
157	Control law design for discrete linear repetitive processes with non-local updating structures. Multidimensional Systems and Signal Processing, 2013, 24, 707-726.	2.6	16
158	Predictive-repetitive control with constraints: From design to implementation. Journal of Process Control, 2013, 23, 956-967.	3.3	40
159	Model predictive control of a permanent magnet synchronous motor with experimental validation. Control Engineering Practice, 2013, 21, 1584-1593.	5.5	92
160	Electrical stimulation and iterative learning control for functional recovery in the upper limb post-stroke. , 2013, 2013, 6650359.		4
161	The role of 2D linear systems theory in the design and experimental verification of iterative learning control algorithms. , 2013, , .		0
162	A Cascade MPC Control Structure for a PMSM With Speed Ripple Minimization. IEEE Transactions on Industrial Electronics, 2013, 60, 2978-2987.	7.9	158

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163	KYP lemma based stability and control law design for differential linear repetitive processes with applications. <i>Systems and Control Letters</i> , 2013, 62, 560-566.	2.3	24
164	Robust finite frequency range iterative learning control design and experimental verification. <i>Control Engineering Practice</i> , 2013, 21, 1310-1320.	5.5	87
165	Control of differential linear repetitive processes using strong practical stability and $\hat{\sigma}$ -disturbance attenuation. <i>International Journal of Control</i> , 2013, 86, 636-649.	1.9	3
166	Goal orientated stroke rehabilitation utilising electrical stimulation, iterative learning and Microsoft Kinect. , 2013, , .		19
167	Cascade based iterative learning control of robotic-assisted upper extremity stroke rehabilitation. , 2013, , .		2
168	Finite frequency domain design of dynamic controllers for differential linear repetitive processes. , 2013, , .		1
169	LMI-based design of robust iterative learning control schemes with finite frequency range tracking specifications. , 2013, , .		0
170	Iterative learning control of wind turbine smart rotors with pressure sensors. , 2013, , .		0
171	New KYP lemma based stability tests and control law design algorithms for differential linear repetitive processes. , 2013, , .		3
172	Iterative Learning Control Based on Relaxed 2-D Systems Stability Criteria. <i>IEEE Transactions on Control Systems Technology</i> , 2013, 21, 1016-1023.	5.2	30
173	Stability and robustness of discrete linear repetitive processes in the finite frequency domain using the KYP lemma. , 2013, , .		2
174	Stability and Stabilization of Nonlinear 2D Markovian Jump Systems with Applications. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013, 46, 695-700.	0.4	0
175	Iterative Learning Control Design for Stability and Transient Performance Using Differential Linear Repetitive Process Stability Theory. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013, 46, 152-157.	0.4	0
176	Repetitive Process Control Theory Applied to the Modeling and Control of Ladder Circuits. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013, 46, 689-694.	0.4	3
177	Surface Electrode Array Based Control of the Wrist and Hand. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013, 46, 164-169.	0.4	3
178	Experimentally validated repetitive-predictive control of a robot arm with constraints. , 2012, , .		1
179	Experimentally verified Iterative Learning Control based on repetitive process stability theory. , 2012, , .		4
180	Computational fluid dynamics based iterative learning control of peak loads in wind turbines. , 2012, , .		3

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181	FES based rehabilitation of the upper limb using input/output linearization and ILC. , 2012, , .		17
182	Repetitive process based iterative learning control design using frequency domain analysis. , 2012, , .		9
183	Effect of measurement noise on the performance of a depth and pitch controller using the model predictive control method. , 2012, , .		4
184	Experimental verification of constrained iterative learning control using successive projection. , 2012, , .		2
185	Output Information Based Iterative Learning Control Law Design With Experimental Verification. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	1.6	36
186	Multivariable Repetitive-Predictive Controllers Using Frequency Decomposition. IEEE Transactions on Control Systems Technology, 2012, 20, 1597-1604.	5.2	34
187	Control of discrete linear repetitive processes using strong practical stability and disturbance attenuation. Systems and Control Letters, 2012, 61, 1138-1144.	2.3	11
188	Iterative learning control under parameter uncertainty and failures. , 2012, , .		5
189	ILC for FES-based stroke rehabilitation of hand and wrist. , 2012, , .		4
190	Robust higher order repetitive control applied to human tremor suppression. , 2012, , .		6
191	Repetitive process based iterative learning control for a two motors system. , 2012, , .		1
192	New frequency domain based stability tests for 2D linear systems. , 2012, , .		2
193	SAIL: A 3D rehabilitation system to improve arm function following stroke. Progress in Neurology and Psychiatry, 2012, 16, 17-19.	0.9	0
194	Functional electrical stimulation mediated by iterative learning control and 3D robotics reduces motor impairment in chronic stroke. Journal of NeuroEngineering and Rehabilitation, 2012, 9, 32.	4.6	68
195	Recursive identification of Hammerstein systems with application to electrically stimulated muscle. Control Engineering Practice, 2012, 20, 386-396.	5.5	87
196	Progress and Open Questions in the Identification of Electrically Stimulated Human Muscle for Stroke Rehabilitation. , 2012, , 293-318.		0
197	Stability and stabilization of systems modeled by 2D nonlinear stochastic roesser models. , 2011, , .		15
198	Iterative Learning Control for Multiple Point-to-Point Tracking Application. IEEE Transactions on Control Systems Technology, 2011, 19, 590-600.	5.2	91

#	ARTICLE	IF	CITATIONS
199	Design of robust iterative learning control schemes in a finite frequency range. , 2011, , .		5
200	Experimental implementation of iterative learning control for processes with stochastic disturbances. , 2011, , .		1
201	Iterative learning control for discrete linear systems with Zero Markov parameters using repetitive process stability theory. , 2011, , .		1
202	Model Predictive Control of a Permanent Magnet Synchronous Motor. , 2011, , .		14
203	Modeling and control of a sorption process using 2D systems theory. , 2011, , .		9
204	On the stability and control of discrete linear systems with clock synchronisation errors. International Journal of Control, 2011, 84, 1491-1499.	1.9	1
205	A 2D systems approach to iterative learning control for discrete linear processes with zero Markov parameters. International Journal of Control, 2011, 84, 1246-1262.	1.9	19
206	Recursive Identification of Hammerstein Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13954-13959.	0.4	1
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