Eric Rogers

List of Publications by Year
in descending order

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	Iterative learning control using optimal feedback and feedforward actions. International Journal of Control, 1996, 65, 277-293.	1.9	271
2	Predictive optimal iterative learning control. International Journal of Control, 1998, 69, 203-226.	1.9	211
3	Experimentally supported 2D systems based iterative learning control law design for error convergence and performance. Control Engineering Practice, 2010, 18, 339-348.	5.5	186
4	A Cascade MPC Control Structure for a PMSM With Speed Ripple Minimization. IEEE Transactions on Industrial Electronics, 2013, 60, 2978-2987.	7.9	158
5	Identification of electrically stimulated muscle models of stroke patients. Control Engineering Practice, 2010, 18, 396-407.	5.5	103
6	Norm-Optimal Iterative Learning Control Applied to Gantry Robots for Automation Applications. IEEE Transactions on Robotics, 2006, 22, 1303-1307.	10.3	96
7	Model predictive control of a permanent magnet synchronous motor with experimental validation. Control Engineering Practice, 2013, 21, 1584-1593.	5.5	92
8	Iterative Learning Control for Multiple Point-to-Point Tracking Application. IEEE Transactions on Control Systems Technology, 2011, 19, 590-600.	5.2	91
9	Recursive identification of Hammerstein systems with application to electrically stimulated muscle. Control Engineering Practice, 2012, 20, 386-396.	5.5	87
10	Robust finite frequency range iterative learning control design and experimental verification. Control Engineering Practice, 2013, 21, 1310-1320.	5.5	87
11	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
12	Experimentally verified generalized KYP Lemma based iterative learning control design. Control Engineering Practice, 2016, 53, 57-67.	5.5	76
13	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
14	A Model of the Upper Extremity Using FES for Stroke Rehabilitation. Journal of Biomechanical Engineering, 2009, 131, 031011.	1.3	66
15	Explicit Model Predictive Control Approach for Low-Thrust Spacecraft Proximity Operations. Journal of Guidance, Control, and Dynamics, 2014, 37, 1780-1790.	2.8	66
16	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
17	AnHâˆž approach to linear iterative learning control design. International Journal of Adaptive Control and Signal Processing, 1996, 10, 767-781.	4.1	65
18	International Journal of Controlâ€" 50thAnniversary Editorial. International Journal of Control, 2015, 88, 1-1.	1.9	57

#	Article	IF	Citations
19	Controllable and Autonomous nD Linear Systems. Multidimensional Systems and Signal Processing, 1999, 10, 33-70.	2.6	52
20	Terrainâ€aided navigation for longâ€endurance and deepâ€rated autonomous underwater vehicles. Journal of Field Robotics, 2019, 36, 447-474.	6.0	52
21	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
22	A formal theory of matrix primeness. Mathematics of Control, Signals, and Systems, 1998, 11, 40-78.	2.3	48
23	Trajectory Tracking Control for Autonomous Underwater Vehicles Based on Fuzzy Re-Planning of a Local Desired Trajectory. IEEE Transactions on Vehicular Technology, 2019, 68, 11657-11667.	6.3	46
24	P-type iterative learning control for systems that contain resonance. International Journal of Adaptive Control and Signal Processing, 2005, 19, 769-796.	4.1	43
25	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
26	Positive real control of two-dimensional systems: Roesser models and linear repetitive processes. International Journal of Control, 2003, 76, 1047-1058.	1.9	42
27	Predictive-repetitive control with constraints: From design to implementation. Journal of Process Control, 2013, 23, 956-967.	3.3	40
28	2D systems based robust iterative learning control using noncausal finite-time interval data. Systems and Control Letters, 2014, 64, 36-42.	2.3	40
29	Dissipativity and stabilization of nonlinear repetitive processes. Systems and Control Letters, 2016, 91, 14-20.	2.3	40
30	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
31	Norm-Optimal Iterative Learning Control with Application to Problems in Accelerator-Based Free Electron Lasers and Rehabilitation Robotics. European Journal of Control, 2010, 16, 497-522.	2.6	38
32	Iterative learning control for a non-minimum phase plant based on a reference shift algorithm. Control Engineering Practice, 2008, 16, 633-643.	5.5	37
33	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
34	Multivariable Repetitive-Predictive Controllers Using Frequency Decomposition. IEEE Transactions on Control Systems Technology, 2012, 20, 1597-1604.	5.2	34
35	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
36	Iterative Learning Control Based on Relaxed 2-D Systems Stability Criteria. IEEE Transactions on Control Systems Technology, 2013, 21, 1016-1023.	5.2	30

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37	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
38	New 2D models and a transition matrix for discrete linear repetitive processes. International Journal of Control, 1999, 72, 1365-1380.	1.9	28
39	PI control of discrete linear repetitive processes. Automatica, 2006, 42, 877-880.	5.0	28
40	Robust $\mathcal{H}_\infty$ filtering for uncertain differential linear repetitive processes. International Journal of Adaptive Control and Signal Processing, 2008, 22, 243-265.	4.1	28
41	Stability analysis for a class of 2D continuous–discrete linear systems with dynamic boundary conditions. Systems and Control Letters, 1999, 37, 55-60.	2.3	26
42	Iterative Learning Control for Electrical Stimulation and Stroke Rehabilitation. Springer Briefs in Electrical and Computer Engineering, 2015, , .	0.5	26
43	Stroke participants' perceptions of robotic and electrical stimulation therapy: a new approach. Disability and Rehabilitation: Assistive Technology, 2011, 6, 130-138.	2.2	25
44	Predictive iterative learning control with experimental validation. Control Engineering Practice, 2016, 53, 24-34.	5.5	25
45	Output feedback control of discrete linear repetitive processes. Automatica, 2004, 40, 2167-2173.	5.0	24
46	KYP lemma based stability and control law design for differential linear repetitive processes with applications. Systems and Control Letters, 2013, 62, 560-566.	2.3	24
47	An approach to iterative learning control for spatio-temporal dynamics using nD discrete linear systems models. Multidimensional Systems and Signal Processing, 2011, 22, 83-96.	2.6	23
48	Iterative learning control – 2D control systems from theory to application. International Journal of Control, 2004, 77, 877-893.	1.9	22
49	$\mathcal{H}_2$/$\mathcal{H}_\infty$ output information–based disturbance attenuation for differential linear repetitive processes. International Journal of Robust and Nonlinear Control, 2011, 21, 1981-1993.	3.7	22
50	Control and filtering for discrete linear repetitive processes with $${\mathcal{H}_{\infty}}$$ and $\mathcal{H}_{2-\infty}$ performance. Multidimensional Systems and Signal Processing, 2009, 20, 235-264.	2.6	21
51	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
52	Finite frequency range iterative learning fault-tolerant control for discrete time-delay uncertain systems with actuator faults. ISA Transactions, 2019, 95, 152-163.	5.7	21
53	On the control of distributed parameter systems using a multidimensional systems setting. Mechanical Systems and Signal Processing, 2008, 22, 1566-1581.	8.0	20
54	Using 2D systems theory to design output signal based iterative learning control laws with experimental verification. , 2008, , .		20

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55	Strong practical stability and stabilization of discrete linear repetitive processes. Multidimensional Systems and Signal Processing, 2009, 20, 311-331.	2.6	20
56	Stability of nonlinear discrete repetitive processes with Markovian switching. Systems and Control Letters, 2015, 75, 108-116.	2.3	20
57	Repetitive process based design and experimental verification of a dynamic iterative learning control law. Control Engineering Practice, 2016, 46, 157-165.	5.5	20
58	An Optimality-Based Repetitive Control Algorithm for Discrete-Time Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 412-423.	5.4	19
59	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
60	Goal orientated stroke rehabilitation utilising electrical stimulation, iterative learning and Microsoft Kinect. , 2013, , .		19
61	Control theory for a class of 2D continuous-discrete linear systems. International Journal of Control, 2004, 77, 847-860.	1.9	18
62	Robustness analysis of an adjoint optimal iterative learning controller with experimental verification. International Journal of Robust and Nonlinear Control, 2008, 18, 1089-1113.	3.7	18
63	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
64	New results on strong practical stability and stabilization of discrete linear repetitive processes. Systems and Control Letters, 2015, 77, 22-29.	2.3	18
65	FES based rehabilitation of the upper limb using input/output linearization and ILC. , 2012, , .		17
66	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
67	Terrain-Aided Navigation With Coarse Mapsâ€"Toward an Arctic Crossing With an AUV. IEEE Journal of Oceanic Engineering, 2021, 46, 1192-1212.	3.8	17
68	PI output feedback control of differential linear repetitive processes. Automatica, 2008, 44, 1442-1445.	5.0	16
69	${cal H}_{2}$ and Mixed ${cal H}_{2}/{cal H}_{infty}$ Stabilization and Disturbance Attenuation for Differential Linear Repetitive Processes. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 2813-2826.	5.4	16
70	Switched linear model predictive controllers for periodic exogenous signals. International Journal of Control, 2010, 83, 848-861.	1.9	16
71	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
72	A Gradient-based Repetitive Control Algorithm Combining ILC and Pole Placement. European Journal of Control, 2006, 12, 278-292.	2.6	15

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73	Stability and stabilization of systems modeled by 2D nonlinear stochastic roesser models. , 2011, , .		15
74	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
75	Frequency domain Lyapunov equations and performance bounds for differential linear repetitive processes. Systems and Control Letters, 1995, 26, 65-68.	2.3	14
76	Multi-machine operations modelled and controlled as switched linear repetitive processes. International Journal of Control, 2008, 81, 1549-1567.	1.9	14
77	Model Predictive Control of a Permanent Magnet Synchronous Motor. , 2011, , .		14
78	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
79	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
80	Terrain Aided Navigation for Long Range AUV operations at arctic latitudes. , 2016, , .		14
81	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
82	Terrainâ€aided navigation for longâ€range AUVs in dynamic underâ€mapped environments. Journal of Field Robotics, 2021, 38, 402-428.	6.0	13
83	Exponential stability of discrete linear repetitive processes. International Journal of Control, 2002, 75, 861-869.	1.9	12
84	A 2D Systems Approach to Iterative Learning Control with Experimental Validation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2832-2837.	0.4	12
85	Broiler FCR Optimization Using Norm Optimal Terminal Iterative Learning Control. IEEE Transactions on Control Systems Technology, 2021, 29, 580-592.	5.2	12
86	Control of discrete linear repetitive processes using strong practical stability and disturbance attenuation. Systems and Control Letters, 2012, 61, 1138-1144.	2.3	11
87	Repetitive control of synchronized operations for process applications. International Journal of Adaptive Control and Signal Processing, 2007, 21, 300-325.	4.1	10
88	Experimentally validated continuous-time repetitive control of non-minimum phase plants with a prescribed degree of stability. Control Engineering Practice, 2010, 18, 1158-1165.	5.5	10
89	Multivariable Repetitive-predictive Control of a Robot Arm with Experimental Results. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 7672-7677.	0.4	10
90	Initial Input Selection for Iterative Learning Control. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2011, 133, .	1.6	10

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91	Failure identification for 3D linear systems. Multidimensional Systems and Signal Processing, 2015, 26, 481-502.	2.6	10
92	An unconditionally stable approximation of a circular flexible plate described by a fourth order partial differential equation. , 2016, , .		10
93	Control systems analysis for the Fornasini-Marchesini 2D systems model â€" progress after four decades. International Journal of Control, 2018, 91, 2801-2822.	1.9	10
94	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
95	Title is missing!. Multidimensional Systems and Signal Processing, 2003, 14, 365-395.	2.6	9
96	Modeling and control of a sorption process using 2D systems theory. , 2011, , .		9
97	Repetitive process based iterative learning control design using frequency domain analysis. , 2012, , .		9
98	An unconditionally stable finite difference scheme systems described by second order partial differential equations. , 2015, , .		9
99	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
100	Parameterâ€dependent Lyapunov functionâ€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
101	Towards Arctic AUV Navigation. IFAC-PapersOnLine, 2018, 51, 287-292.	0.9	9
102	Passivity based stabilization of repetitive processes and iterative learning control design. Systems and Control Letters, 2018, 122, 101-108.	2.3	9
103	Terminal sliding modeâ€based tracking control with error transformation for underwater vehicles. International Journal of Robust and Nonlinear Control, 2021, 31, 7186-7206.	3.7	9
104	Simulation-based stability tests for differential unit memory linear multipass processes. International Journal of Control, 1990, 51, 1051-1065.	1.9	8
105	Objective-driven ilc for point-to-point movement tasks. , 2009, , .		8
106	Strong practical stability and stabilization of uncertain discrete linear repetitive processes. Numerical Linear Algebra With Applications, 2013, 20, 220-233.	1.6	8
107	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
108	2D-transfer functions and stability tests for differential non-unit memory linear multipass processes. International Journal of Control, 1989, 50, 651-666.	1.9	7

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109	Lyapunov stability theory and performance bounds for a class of 2D linear systems. Multidimensional Systems and Signal Processing, 1996, 7, 179-194.	2.6	7
110	Stability conditions for a class of 2D continuous-discrete linear systems with dynamic boundary conditions. International Journal of Control, 2002, 75, 52-60.	1.9	7
111	Comments on â€˜On the equivalence of causal LTI iterative learning control and feedback controlâ€™. Automatica, 2004, 40, 895-898.	5.0	7
112	Iterative Learning Control for multiple point-to-point tracking. , 2009, , .		7
113	LMI based stability and stabilization of secondâ€order linear repetitive processes. Asian Journal of Control, 2010, 12, 136-145.	3.0	7
114	Experimental Evaluation of Automatic Tuning of PID Controllers for an Electro-Mechanical System. IFAC-PapersOnLine, 2017, 50, 3063-3068.	0.9	7
115	Iterative Learning Control of Repetitive Transverse Loads in Elastic Materials. , 2018, , .		7
116	Repetitive process based stochastic iterative learning control design for linear dynamics. Systems and Control Letters, 2020, 137, 104625.	2.3	7
117	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
118	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
119	Stability of discrete non-unit memory linear repetitive processesâ€”a two-dimensional systems interpretation. International Journal of Control, 1996, 63, 457-482.	1.9	6
120	Stability theory and performance bounds for a class of two-dimensional linear systems with interpass smoothing effects. IMA Journal of Mathematical Control and Information, 1997, 14, 415-427.	1.7	6
121	Repetitive process based iterative learning control designed by LMIs and experimentally verified on a gantry robot. , 2009, , .		6
122	Modelling and Control of Bi-Directional Discrete Linear Repetitive Processes. IEEE Transactions on Automatic Control, 2010, 55, 230-235.	5.7	6
123	Robust higher order repetitive control applied to human tremor suppression. , 2012, , .		6
124	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
125	Stabilization of nonlinear 2D Fornasini-Marchesini and Roesser systems. , 2015, , .		6
126	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

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127	Experimental analysis of low‑altitude terrain following for hover‑capable flight‑style autonomous underwater vehicles. Journal of Field Robotics, 2019, 36, 1399-1421.	6.0	6
128	Characterization of a class of spatially interconnected systems (ladder circuits) using two-dimensional systems theory. Multidimensional Systems and Signal Processing, 2019, 30, 2185-2197.	2.6	6
129	Iterative Learning Control with Input Saturation. IFAC-PapersOnLine, 2019, 52, 338-343.	0.9	6
130	Iterative learning control of the displacements of a cantilever beam. , 2019, , .		6
131	Stability Analysis for Discrete Linear Multipass Processes with Non-Unit Memory. IMA Journal of Mathematical Control and Information, 1989, 6, 399-409.	1.7	5
132	Stability tests and performance bounds for a class of 2D linear systems. Multidimensional Systems and Signal Processing, 1993, 4, 355-391.	2.6	5
133	Control Law Design for Switched Repetitive Processes with a Metal Rolling Example. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	5
134	On structure selection for multivariable repetitive-predictive controllers. , 2010, , .		5
135	Design of robust iterative learning control schemes in a finite frequency range. , 2011, , .		5
136	Iterative learning control under parameter uncertainty and failures. , 2012, , .		5
137	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
138	Failure identification for linear repetitive processes. Multidimensional Systems and Signal Processing, 2015, 26, 1037-1059.	2.6	5
139	Evaluation of terrain collision risks for flight style autonomous underwater vehicles. , 2016, , .		5
140	Disturbance observer-based predictive repetitive control with constraints. International Journal of Control, 2022, 95, 1060-1069.	1.9	5
141	Structure indices for multidimensional systems. IMA Journal of Mathematical Control and Information, 2000, 17, 227-256.	1.7	4
142	Relaxed pass profile controllability of discrete linear repetitive processes. International Journal of Control, 2006, 79, 938-958.	1.9	4
143	An Experimental Facility using Functional Electrical Stimulation for Stroke Rehabilitation of the Upper Limb. , 2007, , .		4
144	Optimal control of wave linear repetitive processes. Systems and Control Letters, 2008, 57, 940-945.	2.3	4

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145	Design &#x00026; control of an upper arm fes workstation for rehabilitation. , 2009, , .		4
146	Upper limb rehabilitation of stroke participants using electrical stimulation: Changes in tracking and EMG timing. , 2009, , .		4
147	Singular 2D Behaviors: Fornasiniâ€"Marchesini and Givoneâ€"Roesser Models. Georgian Mathematical Journal, 2009, 16, 105-130.	0.6	4
148	Upper limb stroke rehabilitation: The effectiveness of Stimulation Assistance through Iterative Learning (SAIL). , 2011, 2011, 5975502.		4
149	Experimentally verified Iterative Learning Control based on repetitive process stability theory. , 2012, , .		4
150	Effect of measurement noise on the performance of a depth and pitch controller using the model predictive control method. , 2012, , .		4
151	ILC for FES-based stroke rehabilitation of hand and wrist. , 2012, , .		4
152	Electrical stimulation and iterative learning control for functional recovery in the upper limb post-stroke. , 2013, 2013, 6650359.		4
153	Design of iterative learning control schemes for systems with zero Markov parameters. , 2015, , .		4
154	Dissipativity of Nonlinear 2D Systemsâˆ’âˆ’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 50 382 Td Foundation (grant14-29-00142).. IFAC-PapersOnLine, 2015, 48, 784-789.	0.9	4
155	Model predictive resonant control of a three-phase voltage source converter with selective harmonic compensation. , 2015, , .		4
156	Iterative learning control design based on feedback linearization and nonlinear repetitive process stability theory. , 2016, , .		4
157	Further results on dynamic iterative learning control law design using repetitive process stability theory. , 2017, , .		4
158	Equivalent 2-D nonsingular Roesser models for discrete linear repetitive processes. International Journal of Control, 2018, 91, 2673-2681.	1.9	4
159	Robustness and load disturbance conditions for state based iterative learning control. Optimal Control Applications and Methods, 2018, 39, 1965-1975.	2.1	4
160	H-infinity-norm minimisation and the stabilisation of systems with repetitive dynamics. Transactions of the Institute of Measurement and Control, 1992, 14, 126-129.	1.7	3
161	Output-feedback control of discrete linear repetitive processes. IMA Journal of Mathematical Control and Information, 1993, 10, 177-193.	1.7	3
162	One-Dimensional Equivalent Model and Related Approaches to the Analysis of Discrete Nonunit Memory Linear Repetitive Processes. Circuits, Systems, and Signal Processing, 2002, 21, 525-534.	2.0	3

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163	H2 CONTROL OF DIFFERENTIAL LINEAR REPETITIVE PROCESSES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 55-60.	0.4	3
164	A New Iterative Learning Control Scheme for Linear Time-varying Discrete Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 279-282.	0.4	3
165	Stability of a class of 2D linear systems with smoothing. , 2009, , .		3
166	Strong practical stability and stabilization of differential linear repetitive processes. Systems and Control Letters, 2010, 59, 639-644.	2.3	3
167	On the design of ILC schemes for finite frequency range tracking specifications. , 2010, , .		3
168	Absolute stability and stabilization of 2D Roesser systems with nonlinear output feedback. , 2011, , .		3
169	Computational fluid dynamics based iterative learning control of peak loads in wind turbines. , 2012, , .		3
170	Control of differential linear repetitive processes using strong practical stability and â„‹â^ždisturbance attenuation. International Journal of Control, 2013, 86, 636-649.	1.9	3
171	New KYP lemma based stability tests and control law design algorithms for differential linear repetitive processes. , 2013, , .		3
172	Repetitive Process Control Theory Applied to the Modeling and Control of Ladder Circuits. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 689-694.	0.4	3
173	Surface Electrode Array Based Control of the Wrist and Hand. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 164-169.	0.4	3
174	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
175	Experimental validation of constrained ILC approaches for a high speed rack feeder. , 2015, , .		3
176	A frequency-partitioning approach to robust output control of uncertain discrete linear repetitive processes. , 2016, , .		3
177	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
178	Load reduction in wind turbines with smart rotors using trial varying iterative learning control law. , 2017, , .		3
179	Higher-order Iterative Learning Control Law Design using Linear Repetitive Process Theory: Convergence and Robustness. IFAC-PapersOnLine, 2017, 50, 3123-3128.	0.9	3
180	Application of a Frequency-Discretization Technique for Stability and Control of Uncertain Differential Linear Repetitive Processes. , 2018, , .		3

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181	Design of iterative learning control schemes for spatially interconnected systems. , 2019, , .		3
182	Iterative Learning Control for a discretized sub-class of spatially interconnected systems. Advances in Intelligent Systems and Computing, 2017, , 744-753.	0.6	3
183	Iterative Learning Control for Switched Systems in the Presence of Input Saturation. IFAC-PapersOnLine, 2020, 53, 1444-1449.	0.9	3
184	Iterative Learning Control of Stochastic Linear Systems with Reference Trajectory Switching. , 2021, , .		3
185	Error actuated output feedback control theory for differential linear repetitive processes. International Journal of Control, 1995, 61, 981-997.	1.9	2
186	Minimum lag descriptions and minimal Gröbner bases. Systems and Control Letters, 1998, 34, 289-293.	2.3	2
187	Reference Shift Iterative Learning Control for a Non-minimum Phase Plant. Proceedings of the American Control Conference, 2007, , .	0.0	2
188	An algebraic approach to the control of spatially distributed systems: (2+1)D case with a deformable mirror example. , 2007, , .		2
189	Singular 2D Behaviors: Homologies. Georgian Mathematical Journal, 2008, 15, 139-157.	0.6	2
190	Iterative Learning Control for wave linear repetitive processes. , 2009, , .		2
191	A Simplified approach to Iterative Learning Control based on strong practical stability of repetitive processes. , 2009, , .		2
192	Parametrization based synthesis of static feedback stabilizing controllers for uncertain discrete linear repetitive processes. , 2009, , .		2
193	2D systems theory applied to iterative learning control of spatio-temporal dynamics. , 2010, , .		2
194	Experimental verification of constrained iterative learning control using successive projection. , 2012, , .		2
195	New frequency domain based stability tests for 2D linear systems. , 2012, , .		2
196	Cascade based iterative learning control of robotic-assisted upper extremity stroke rehabilitation. , 2013, , .		2
197	Stability and robustness of discrete linear repetitive processes in the finite frequency domain using the KYP lemma. , 2013, , .		2
198	H∞ based stabilization and disturbance attenuation for nonlinear differential repetitive processes with an iterative learning control application. , 2014, , .		2

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199	2D systems based iterative learning control design for multiple-input multiple-output systems. , 2014, , .		2
200	Passivity based stabilization of nonlinear 2D systems with application to iterative learning control. , 2014, , .		2
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