

Krzysztof Galkowski

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.

215
papers

2,139
citations

22
h-index

36
g-index

298
ext. papers

2,726
ext. citations

2.1
avg, IF

5.01
L-index

#	Paper	IF	Citations
215	Dynamic Output-Only Iterative Learning Control Design. <i>IEEE Access</i> , 2021 , 1-1	3.5	0
214	Optimization of the Directional Sensor Networks With Rotatable Sensors for Target-Barrier Coverage. <i>IEEE Sensors Journal</i> , 2021 , 21, 8276-8288	4	7
213	Modeling and iterative learning control of spatially distributed parameter systems with sensing and actuation over a selected area of the domain. <i>Multidimensional Systems and Signal Processing</i> , 2021 , 32, 1237-1258	1.8	
212	Robust static output feedback based iterative learning control design with a finite-frequency-range two-dimensional specification for batch processes subject to nonrepetitive disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 5745-5761	3.6	0
211	Iterative Learning Control for a Class of Multivariable Distributed Systems With Experimental Validation. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 29, 949-960	4.8	3
210	Constructing the Singular Roesser State-Space Model Description of 3D Spatio-Temporal Dynamics From the Polynomial System Matrix. <i>IEEE Access</i> , 2021 , 9, 45632-45641	3.5	0
209	Repetitive process based stochastic iterative learning control design for linear dynamics. <i>Systems and Control Letters</i> , 2020 , 137, 104625	2.4	2
208	Iterative Learning Control for Switched Systems in the Presence of Input Saturation. <i>IFAC-PapersOnLine</i> , 2020 , 53, 1444-1449	0.7	
207	Application of the Dynamic Iterative Learning Control to the Heteroplanar Active Magnetic Bearing. <i>IFAC-PapersOnLine</i> , 2020 , 53, 1511-1516	0.7	1
206	Derivation and reduction of the singular FornasiniMarchesini state-space model for a class of multidimensional systems. <i>IET Control Theory and Applications</i> , 2020 , 14, 634-645	2.5	3
205	Equivalence of wave linear repetitive processes and the singular 2-D Roesser state-space model. <i>Multidimensional Systems and Signal Processing</i> , 2020 , 31, 103-116	1.8	2
204	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	5.5	10
203	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	1.8	4
202	Finite frequency range robust iterative learning control of linear discrete system with multiple time-delays. <i>Journal of the Franklin Institute</i> , 2019 , 356, 2690-2708	4	7
201	Iterative Learning Control with Input Saturation. <i>IFAC-PapersOnLine</i> , 2019 , 52, 338-343	0.7	0
200	2D Systems based Dynamic Iterative Learning Control Design with Experimental Validation on a 3D Crane Model. <i>IFAC-PapersOnLine</i> , 2019 , 52, 332-337	0.7	1
199	3-D modelling of rectangular circuits as the particular class of spatially interconnected systems on the plane. <i>Multidimensional Systems and Signal Processing</i> , 2019 , 30, 1583-1608	1.8	4

198	Performance-Enhanced Robust Iterative Learning Control With Experimental Application to PMSM Position Tracking. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 1813-1819	4.8	26
197	Stochastic Stability of Some Classes of Nonlinear 2D Systems. <i>Automation and Remote Control</i> , 2018 , 79, 89-102	0.6	6
196	Equivalent 2-D nonsingular Roesser models for discrete linear repetitive processes. <i>International Journal of Control</i> , 2018 , 91, 2673-2681	1.5	3
195	Modified Newton method based iterative learning control design for discrete nonlinear systems with constraints. <i>Systems and Control Letters</i> , 2018 , 118, 35-43	2.4	9
194	Iterative learning control of a distributed heating system described by a non-minimum phase model 2018 ,		1
193	Passivity based stabilization of repetitive processes and iterative learning control design. <i>Systems and Control Letters</i> , 2018 , 122, 101-108	2.4	8
192	Stabilization of Two-Dimensional Nonlinear Systems Described by Fornasini--Marchesini and Roesser Models. <i>SIAM Journal on Control and Optimization</i> , 2018 , 56, 3848-3866	1.9	8
191	Control systems analysis for the Fornasini-Marchesini 2D systems model [progress after four decades. <i>International Journal of Control</i> , 2018 , 91, 2801-2822	1.5	6
190	Two-dimensional (2D) systems approach to feedforward/feedback control of a class of spatially interconnected systems. <i>International Journal of Control</i> , 2018 , 91, 2780-2791	1.5	4
189	Robust guaranteed cost ILC with dynamic feedforward and disturbance compensation for accurate PMSM position control. <i>Control Engineering Practice</i> , 2017 , 65, 36-47	3.9	18
188	Iterative learning fault-tolerant control for differential time-delay batch processes in finite frequency domains. <i>Journal of Process Control</i> , 2017 , 56, 112-128	3.9	57
187	Stability analysis of 2D Roesser systems via vector Lyapunov functions. <i>IFAC-PapersOnLine</i> , 2017 , 50, 4126-4131	0.7	
186	On the connection between discrete linear repetitive processes and 2-D discrete linear systems. <i>Multidimensional Systems and Signal Processing</i> , 2017 , 28, 341-351	1.8	16
185	A practically tractable iterative learning control scheme for a circular deformable mirror 2017 ,		1
184	2017 ,		2
183	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. <i>IFAC-PapersOnLine</i> , 2017 , 50, 1865-1870	0.7	2
182	Modeling and Iterative Learning Control of a Circular Deformable Mirror. <i>IFAC-PapersOnLine</i> , 2017 , 50, 3117-3122	0.7	1
181	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. <i>IFAC-PapersOnLine</i> , 2017 , 50, 4126-4131	0.7	1

180	Reduction of wave linear repetitive processes to singular Roesser model form 2017 ,		2
179	Design of iterative learning control schemes for a class of spatially interconnected systems 2017 ,		2
178	Iterative Learning Control for a discretized sub-class of spatially interconnected systems. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 744-753	0.4	2
177	Iterative Learning Control for a class of spatially interconnected systems. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 734-743	0.4	
176	Vector Lyapunov functions for stability and stabilization of differential repetitive processes. <i>Journal of Computer and Systems Sciences International</i> , 2016 , 55, 503-514	1	10
175	Control of discretised sub-class of 2D systems 2016 ,		1
174	Parameter-dependent Lyapunov function-based robust iterative learning control for discrete systems with actuator faults. <i>International Journal of Adaptive Control and Signal Processing</i> , 2016 , 30, 1714-1732	2.8	6
173	Experimentally verified generalized KYP Lemma based iterative learning control design. <i>Control Engineering Practice</i> , 2016 , 53, 57-67	3.9	53
172	Addenda to the papers "Stability of nonlinear 2D systems described by the continuous-time Roesser model" and "Stabilization of differential repetitive processes" <i>Automation and Remote Control</i> , 2016 , 77, 130-132	0.6	2
171	Repetitive process based design and experimental verification of a dynamic iterative learning control law. <i>Control Engineering Practice</i> , 2016 , 46, 157-165	3.9	15
170	LMI-based gain scheduled ILC design for linear parameter-varying systems 2016 ,		1
169	Iterative learning control design based on feedback linearization and nonlinear repetitive process stability theory 2016 ,		4
168	Dissipativity and stabilization of nonlinear repetitive processes. <i>Systems and Control Letters</i> , 2016 , 91, 14-20	2.4	24
167	Robust finite frequency design of iterative learning control schemes. <i>IFAC-PapersOnLine</i> , 2016 , 49, 169-174		2
166	Stability and stabilization of the subclass of 2D systems modeled as descriptor systems 2016 ,		1
165	An unconditionally stable approximation of a circular flexible plate described by a fourth order partial differential equation 2016 ,		3
164	Robust iterative learning control for batch processes with input delay subject to time-varying uncertainties. <i>IET Control Theory and Applications</i> , 2016 , 10, 1904-1915	2.5	35
163	Multidimensional control systems: case studies in design and evaluation. <i>Multidimensional Systems and Signal Processing</i> , 2015 , 26, 895-939	1.8	53

162	Robust fault-tolerant iterative learning control for discrete systems via linear repetitive processes theory. <i>International Journal of Automation and Computing</i> , 2015 , 12, 254-265	3.5	5
161	Dissipativity of Nonlinear 2D Systems. <i>IFAC-PapersOnLine</i> , 2015 , 48, 784-789	0.7	4
160	Proportional plus integral control of ladder circuits modeled in the form of two-dimensional (2D) systems. <i>Multidimensional Systems and Signal Processing</i> , 2015 , 26, 267-290	1.8	11
159	Iterative Learning Control of an Electrostatic Microbridge Actuator With Polytopic Uncertainty Models. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 2035-2043	4.8	7
158	Parameter-Dependent Lyapunov Functions in the Robust Control of Discrete Linear Repetitive Processes Using Previous Pass-Windowed Information. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering</i> , 2015 , 1,	1.4	3
157	An unconditionally stable finite difference scheme systems described by second order partial differential equations 2015 ,		6
156	Guaranteed cost iterative learning control [An application to control of Permanent Magnet Synchronous Motors 2015 ,		6
155	Stabilization of differential repetitive processes. <i>Automation and Remote Control</i> , 2015 , 76, 786-800	0.6	4
154	Stability and stabilisation of active ladder circuits modeled in the form of two-dimensional (2D) systems 2015 ,		2
153	Stabilization of nonlinear 2D Fornasini-Marchesini and Roesser systems 2015 ,		5
152	Reducing conservativeness in robust iterative learning control (ILC) design using parameter-dependent Lyapunov functions 2015 ,		1
151	Exponential stability and stabilization of nD systems 2015 ,		2
150	Stability of nonlinear discrete repetitive processes with Markovian switching. <i>Systems and Control Letters</i> , 2015 , 75, 108-116	2.4	16
149	New results on strong practical stability and stabilization of discrete linear repetitive processes. <i>Systems and Control Letters</i> , 2015 , 77, 22-29	2.4	16
148	2D systems based robust iterative learning control using noncausal finite-time interval data. <i>Systems and Control Letters</i> , 2014 , 64, 36-42	2.4	31
147	Stability of nonlinear 2D systems described by the continuous-time Roesser model. <i>Automation and Remote Control</i> , 2014 , 75, 845-858	0.6	22
146	Stability and Stabilization of Differential Nonlinear Repetitive Processes with Applications. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 5467-5472		4
145	Vector Lyapunov Function based Stability of a Class of Applications Relevant 2D. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 8247-8252		9

144	Passivity based stabilization of nonlinear 2D systems with application to iterative learning control 2014,		2
143	H ∞ based stabilization and disturbance attenuation for nonlinear differential repetitive processes with an iterative learning control application 2014,		2
142	2D systems based iterative learning control design for multiple-input multiple-output systems 2014		2
141	Design of iterative learning control algorithms by generalized KYP synthesis 2014,		1
140	Insufficiencies of practical BIBO stable n-D systems. <i>Multidimensional Systems and Signal Processing</i> , 2014 , 25, 3-15	1.8	1
139	Strong practical stability and stabilization of uncertain discrete linear repetitive processes. <i>Numerical Linear Algebra With Applications</i> , 2013 , 20, 220-233	1.6	5
138	Control law design for discrete linear repetitive processes with non-local updating structures. <i>Multidimensional Systems and Signal Processing</i> , 2013 , 24, 707-726	1.8	13
137	Robust stability of ladder circuits from the 2D systems point of view 2013,		2
136	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	2.4	17
135	Robust finite frequency range iterative learning control design and experimental verification. <i>Control Engineering Practice</i> , 2013 , 21, 1310-1320	3.9	56
134	Control of differential linear repetitive processes using strong practical stability and H ∞ disturbance attenuation. <i>International Journal of Control</i> , 2013 , 86, 636-649	1.5	3
133	Finite frequency domain design of dynamic controllers for differential linear repetitive processes 2013,		1
132	New KYP lemma based stability tests and control law design algorithms for differential linear repetitive processes 2013,		1
131	Stability and robustness of discrete linear repetitive processes in the finite frequency domain using the KYP lemma 2013,		1
130	Particle swarm optimization of an iterative learning controller for the single-phase inverter with sinusoidal output voltage waveform. <i>Bulletin of the Polish Academy of Sciences: Technical Sciences</i> , 2013 , 61, 649-660		3
129	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		
128	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		2
127	Iterative Learning Control of the electrostatic microbridge actuator 2013,		3

126	Iterative learning control for spatio-temporal dynamics using Crank-Nicholson discretization. <i>Multidimensional Systems and Signal Processing</i> , 2012 , 23, 185-208	1.8	29
125	Special issue on: advances in multidimensional systems and signal processing. <i>Multidimensional Systems and Signal Processing</i> , 2012 , 23, 1-3	1.8	2
124	Control of discrete linear repetitive processes using strong practical stability and disturbance attenuation. <i>Systems and Control Letters</i> , 2012 , 61, 1138-1144	2.4	7
123	Iterative learning control under parameter uncertainty and failures 2012 ,		3
122	New frequency domain based stability tests for 2D linear systems 2012 ,		1
121	Fractional and nD systems: a continuous case. <i>Multidimensional Systems and Signal Processing</i> , 2012 , 23, 329-347	1.8	6
120	Experimentally verified Iterative Learning Control based on repetitive process stability theory 2012 ,		1
119	Repetitive process based iterative learning control design using frequency domain analysis 2012 ,		5
118	Wave repetitive process approach to a class of ladder circuits 2012 ,		7
117	Output Information Based Iterative Learning Control Law Design With Experimental Verification. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2012 , 134,	1.6	22
116	Iterative learning control method for a single-phase inverter with sinusoidal output voltage 2011 ,		6
115	A 2D systems approach to iterative learning control for discrete linear processes with zero Markov parameters. <i>International Journal of Control</i> , 2011 , 84, 1246-1262	1.5	14
114	Robust Stabilization of Repetitive Processes with Possible Failures?. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 2344-2349		
113	Linear-quadratic parametrization of stabilizing controls in discrete-time 2D systems. <i>Automation and Remote Control</i> , 2011 , 72, 2364-2378	0.6	8
112	An approach to iterative learning control for spatio-temporal dynamics using nD discrete linear systems models. <i>Multidimensional Systems and Signal Processing</i> , 2011 , 22, 83-96	1.8	18
111	H ₂ /H _∞ output information-based disturbance attenuation for differential linear repetitive processes. <i>International Journal of Robust and Nonlinear Control</i> , 2011 , 21, 1981-1993	3.6	17
110	2011 ,		11
109	Design of robust iterative learning control schemes in a finite frequency range 2011 ,		2

108	Modeling and control of a sorption process using 2D systems theory 2011 ,		5
107	On the stability and control of discrete linear systems with clock synchronisation errors. <i>International Journal of Control</i> , 2011 , 84, 1491-1499	1.5	1
106	Finite frequency range control law synthesis for differential linear repetitive processes 2011 ,		1
105	Absolute stability and stabilization of 2D Roesser systems with nonlinear output feedback 2011 ,		2
104	Robust Control of Discrete Linear Repetitive Processes with Parameter Varying Uncertainty. <i>Lecture Notes in Electrical Engineering</i> , 2011 , 165-183	0.2	
103	Application specific stability of 2-D Roesser model realizations 2010 ,		1
102	On the design of ILC schemes for finite frequency range tracking specifications 2010 ,		2
101	Modelling and Control of Bi-Directional Discrete Linear Repetitive Processes. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 230-235	5.9	4
100	Robust control of distributed parameter mechanical systems using a multidimensional systems approach. <i>Bulletin of the Polish Academy of Sciences: Technical Sciences</i> , 2010 , 58, 67-75		3
99	On controllability and control laws for discrete linear repetitive processes. <i>International Journal of Control</i> , 2010 , 83, 66-73	1.5	1
98	2D systems theory applied to iterative learning control of spatio-temporal dynamics 2010 ,		2
97	LMI based stability and stabilization of second-order linear repetitive processes. <i>Asian Journal of Control</i> , 2010 , 12, 136-145	1.7	5
96	Strong practical stability and stabilization of differential linear repetitive processes. <i>Systems and Control Letters</i> , 2010 , 59, 639-644	2.4	2
95	Experimentally supported 2D systems based iterative learning control law design for error convergence and performance. <i>Control Engineering Practice</i> , 2010 , 18, 339-348	3.9	14 ⁰
94	Control Laws for Discrete Linear Repetitive Processes with Smoothed Previous Pass Dynamics 2010 , 175-193		
93	Iterative Learning Control for wave linear repetitive processes 2009 ,		2
92	Iterative Learning Control based on strong practical stability of repetitive processes 2009 ,		1
91	Repetitive process based iterative learning control designed by LMIs and experimentally verified on a gantry robot 2009 ,		4

90	Stability and robustness of systems with synchronization errors 2009 ,		1
89	Control and filtering for discrete linear repetitive processes with $\{\{fancyscript{H}\}_{\infty}\}$ and \mathbb{D} performance. <i>Multidimensional Systems and Signal Processing</i> , 2009 , 20, 235-264	1.8	15
88	Strong practical stability and stabilization of discrete linear repetitive processes. <i>Multidimensional Systems and Signal Processing</i> , 2009 , 20, 311-331	1.8	13
87	On the usability of practical stable n-D systems for signal processing applications 2009 ,		2
86	Stability of a class of 2D linear systems with smoothing 2009 ,		2
85	Parametrization based synthesis of static feedback stabilizing controllers for uncertain discrete linear repetitive processes 2009 ,		1
84	On the control discrete linear repetitive processes with smoothing effects * *This work has been partially supported by the Ministry of Science and Higher Education in Poland under the project N N514 293235.. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 342-347		
83	Constrained Optimal Control Theory for Differential Linear Repetitive Processes. <i>SIAM Journal on Control and Optimization</i> , 2008 , 47, 396-420	1.9	14
82	Multi-machine operations modelled and controlled as switched linear repetitive processes. <i>International Journal of Control</i> , 2008 , 81, 1549-1567	1.5	12
81	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2008 , 55, 2813-2826	3.9	12
80	Strong practical stability and stabilization of 2D differential-discrete linear systems 2008 ,		1
79	Using 2D systems theory to design output signal based iterative learning control laws with experimental verification 2008 ,		8
78	On the Development of SCILAB Compatible Software for the Analysis and Control of Repetitive Processes. <i>International Journal of Applied Mathematics and Computer Science</i> , 2008 , 18, 377-387	1.7	
77	On control laws for discrete linear repetitive processes with dynamic boundary conditions. <i>Multidimensional Systems and Signal Processing</i> , 2008 , 19, 477-488	1.8	1
76	Preface for the Special Issue of MSSP Recent advances in multidimensional systems and signals \square <i>Multidimensional Systems and Signal Processing</i> , 2008 , 19, 269-271	1.8	
75	Optimal Control of Non-stationary Differential Linear Repetitive Processes. <i>Integral Equations and Operator Theory</i> , 2008 , 60, 201-216	0.5	5
74	Robust H \square filtering for uncertain differential linear repetitive processes. <i>International Journal of Adaptive Control and Signal Processing</i> , 2008 , 22, 243-265	2.8	22
73	Optimal control of wave linear repetitive processes. <i>Systems and Control Letters</i> , 2008 , 57, 940-945	2.4	1

72	On the control of distributed parameter systems using a multidimensional systems setting. <i>Mechanical Systems and Signal Processing</i> , 2008 , 22, 1566-1581	7.8	18
71	PI output feedback control of differential linear repetitive processes. <i>Automatica</i> , 2008 , 44, 1442-1445	5.7	9
70	Optimal control and optimization for a class of repetitive processes 2007 ,		2
69	Stability of two-step repetitive processes based on a matrix formulation 2007 ,		1
68	Decoupling and iterative approaches to the control of discrete linear repetitive processes. <i>Multidimensional Systems and Signal Processing</i> , 2007 , 18, 249-272	1.8	
67	Discrete linear repetitive processes with smoothing 2007 ,		7
66	Control Law Design for Switched Repetitive Processes with a Metal Rolling Example. <i>Control Applications (CCA), Proceedings of the IEEE International Conference on</i> , 2007 ,		2
65	Relaxed pass profile controllability of discrete linear repetitive processes. <i>International Journal of Control</i> , 2006 , 79, 938-958	1.5	3
64	Delay-dependent stability condition for uncertain linear 2-D state-delayed systems 2006 ,		9
63	Stabilization of a class of uncertain "wave" discrete linear repetitive processes 2006 ,		16
62	H_{∞} control of differential linear repetitive processes. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2006 , 53, 39-44		10
61	Fractional Polynomials and nD Systems: A Continuous Case 2006 ,		2
60	PI control of discrete linear repetitive processes. <i>Automatica</i> , 2006 , 42, 877-880	5.7	20
59	Stabilization of Discrete Linear Repetitive Processes with Switched Dynamics. <i>Multidimensional Systems and Signal Processing</i> , 2006 , 17, 271-295	1.8	9
58	CONTROLLABILITY AND QUADRATIC STABILIZATION OF A CLASS OF DISCRETE LINEAR REPETITIVE PROCESSES. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 320-325		
57	H2 CONTROL OF DIFFERENTIAL LINEAR REPETITIVE PROCESSES. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 55-60		1
56	Control and Disturbance Rejection for Discrete Linear Repetitive Processes. <i>Multidimensional Systems and Signal Processing</i> , 2005 , 16, 199-216	1.8	6
55	Stability and stabilisation of acausal discrete linear repetitive processes. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2005 , 5, 155-156	0.2	

54	Multidimensional Systems, Signals, Circuits, and Repetitive Processes: Theory, Applications, and Future Trends 2005 , 283-302		
53	Proportional plus integral control and disturbance rejection for differential linear repetitive processes 2005 ,		1
52	LMI-BASED ANALYSIS FOR CONTINUOUS-DISCRETE LINEAR SHIFT-INVARIANT nD SYSTEMS. <i>Journal of Circuits, Systems and Computers</i> , 2005 , 14, 307-332	0.9	13
51	Minimal State-space Realization for a Class of nD Systems 2005 , 179-194		2
50	Control theory for a class of 2D continuous-discrete linear systems. <i>International Journal of Control</i> , 2004 , 77, 847-860	1.5	14
49	Robust stability and stabilisation of 2D discrete state-delayed systems. <i>Systems and Control Letters</i> , 2004 , 51, 277-291	2.4	130
48	Robust output feedback stabilization for two-dimensional continuous systems in roesser form. <i>Applied Mathematics Letters</i> , 2004 , 17, 1331-1341	3.5	51
47	Output feedback control of discrete linear repetitive processes. <i>Automatica</i> , 2004 , 40, 2167-2173	5.7	7
46	Corrections to Guaranteed Cost Control of Uncertain Differential Linear Repetitive Processes□ <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2004 , 51, 690-690		
45	Guaranteed cost control of uncertain differential linear repetitive processes. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2004 , 51, 629-634		22
44	Output feedback control of discrete linear repetitive processes?. <i>Automatica</i> , 2004 , 40, 2167-2173	5.7	25
43	z - Transform and Volterra-Operator Based Approaches to Controllability and Observability Analysis for Discrete Linear Repetitive Processes. <i>Multidimensional Systems and Signal Processing</i> , 2003 , 14, 365-395	1.8	7
42	LMI based stability analysis and robust controller design for discrete linear repetitive processes. <i>International Journal of Robust and Nonlinear Control</i> , 2003 , 13, 1195-1211	3.6	29
41	Positive real control of two-dimensional systems: Roesser models and linear repetitive processes. <i>International Journal of Control</i> , 2003 , 76, 1047-1058	1.5	35
40	LMI approach to state-feedback stabilization of multidimensional systems. <i>International Journal of Control</i> , 2003 , 76, 1428-1436	1.5	37
39	Stability and control of differential linear repetitive processes using an LMI setting. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2003 , 50, 662-666		53
38	One-Dimensional Equivalent Model and Related Approaches to the Analysis of Discrete Nonunit Memory Linear Repetitive Processes. <i>Circuits, Systems, and Signal Processing</i> , 2002 , 21, 525-534	2.2	3
37	Positive real control for uncertain two-dimensional systems. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002 , 49, 1659-1666		59

36	Stability and controllability of a class of 2-D linear systems with dynamic boundary conditions. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002 , 49, 181-195		25
35	Delay differential control theory applied to differential linear repetitive processes 2002 ,		2
34	Exponential stability of discrete linear repetitive processes. <i>International Journal of Control</i> , 2002 , 75, 861-869	1.5	9
33	LMIs - a fundamental tool in analysis and controller design for discrete linear repetitive processes. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002 , 49, 768-778		66
32	On the Structure of Singular Discrete Linear Repetitive Processes. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2001 , 34, 555-559		
31	A Constructive Approach to Stabilizability and Stabilization of a Class of nD Systems. <i>Multidimensional Systems and Signal Processing</i> , 2001 , 12, 329-343	1.8	21
30	Stability and dynamic boundary condition decoupling analysis for a class of 2-D discrete linear systems. <i>IET Circuits, Devices and Systems</i> , 2001 , 148, 126		5
29	Minimal state-space realization for a class of linear, discrete, nD, SISO systems. <i>International Journal of Control</i> , 2001 , 74, 1279-1294	1.5	9
28	A Perspective on Singularity in 2D Linear Systems. <i>Multidimensional Systems and Signal Processing</i> , 2000 , 11, 83-108	1.8	3
27	State-space realizations of MIMO 2D discrete linear systems Elementary operation and variable inversion approach. <i>International Journal of Control</i> , 2000 , 73, 242-253	1.5	9
26	Higher order discretization of 2-D systems. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2000 , 47, 713-722		18
25	Higher order discretisation methods for a class of 2-D continuous-discrete linear systems. <i>IET Circuits, Devices and Systems</i> , 1999 , 146, 315		6
24	New 2D models and a transition matrix for discrete linear repetitive processes. <i>International Journal of Control</i> , 1999 , 72, 1365-1380	1.5	24
23	Equivalence of state space models for 2-D MIMO systems - elementary operations approach. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1999 , 32, 1897-1902		
22	Analysis of properties of multitime-scale systems in 2D approach 1999 , 75-86		1
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