

Ettore Fornasini

List of Publications by Year in descending order

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36
papers

1,682
citations

430874

18
h-index

526287

27
g-index

36
all docs

36
docs citations

36
times ranked

520
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in Boolean networks control. Journal of Control and Decision, 2016, 3, 1-18.	1.6	47
2	Composition codes. Advances in Mathematics of Communications, 2016, 10, 163-177.	0.7	0
3	Fault Detection Analysis of Boolean Control Networks. IEEE Transactions on Automatic Control, 2015, 60, 2734-2739.	5.7	69
4	Output feedback stabilization of Boolean control networks. Automatica, 2015, 57, 21-28.	5.0	127
5	Minimal Realizations of Syndrome Formers of a Special Class of 2D Codes. CIM Series in Mathematical Sciences, 2015, , 185-193.	0.4	1
6	Fault detection of Boolean control networks. , 2014, , .		7
7	Feedback stabilization, regulation and optimal control of Boolean control networks. , 2014, , .		18
8	Stability properties of a class of positive switched systems with rank one difference. Systems and Control Letters, 2014, 64, 12-19.	2.3	10
9	Optimal Control of Boolean Control Networks. IEEE Transactions on Automatic Control, 2014, 59, 1258-1270.	5.7	214
10	Identification problems for Boolean networks and Boolean control networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5399-5404.	0.4	6
11	Symbolic dynamics of Boolean control networks. Automatica, 2013, 49, 2525-2530.	5.0	45
12	Asymptotic stability and stabilizability of special classes of discrete-time positive switched systems. Linear Algebra and Its Applications, 2013, 438, 1814-1831.	0.9	20
13	On the periodic trajectories of Boolean control networks. Automatica, 2013, 49, 1506-1509.	5.0	142
14	Observability, Reconstructibility and State Observers of Boolean Control Networks. IEEE Transactions on Automatic Control, 2013, 58, 1390-1401.	5.7	352
15	Finite-horizon optimal control of Boolean control networks. , 2013, , .		2
16	On the stability and stabilizability of a class of continuous-time positive switched systems with rank one difference. , 2013, , .		1
17	Observability and reconstructibility of Boolean control networks. , 2012, , .		9
18	Stability and stabilizability of special classes of discrete-time positive switched systems. , 2011, , .		8

#	ARTICLE	IF	CITATIONS
19	Linear Copositive Lyapunov Functions for Continuous-Time Positive Switched Systems. IEEE Transactions on Automatic Control, 2010, 55, 1933-1937.	5.7	211
20	Stabilizability of discrete-time positive switched systems. , 2010, , .		9
21	A polynomial matrix approach to the structural properties of 2D positive systems. Linear Algebra and Its Applications, 2006, 413, 458-473.	0.9	6
22	Matrix fraction descriptions in convolutional coding. Linear Algebra and Its Applications, 2004, 392, 119-158.	0.9	24
23	Primitivity of Positive Matrix Pairs: Algebraic Characterization, Graph Theoretic Description, and 2D Systems Interpretation. SIAM Journal on Matrix Analysis and Applications, 1998, 19, 71-88.	1.4	22
24	Multidimensional Systems with Finite Support Behaviors: Signal Structure, Generation, and Detection. SIAM Journal on Control and Optimization, 1998, 36, 760-779.	2.1	27
25	On some connections between bilinear input/output maps and 2D systems. Nonlinear Analysis: Theory, Methods & Applications, 1997, 30, 1995-2005.	1.1	2
26	Directed graphs, 2D state models, and characteristic polynomials of irreducible matrix pairs. Linear Algebra and Its Applications, 1997, 263, 275-310.	0.9	54
27	Matrix Pairs and 2D Systems Analysis. European Consortium for Mathematics in Industry, 1997, , 56-69.	0.4	0
28	On the spectral and combinatorial structure of 2D positive systems. Linear Algebra and Its Applications, 1996, 245, 223-258.	0.9	27
29	State models and asymptotic behaviour of 2D positive systems. IMA Journal of Mathematical Control and Information, 1995, 12, 17-36.	1.7	32
30	Matrix Pairs in Two-Dimensional Systems: An Approach Based on Trace Series and Hankel Matrices. SIAM Journal on Control and Optimization, 1995, 33, 1127-1150.	2.1	12
31	On 2D finite support convolutional codes: An algebraic approach. Multidimensional Systems and Signal Processing, 1994, 5, 231-243.	2.6	34
32	On the structure of finite memory and separable two-dimensional systems. Automatica, 1994, 30, 347-350.	5.0	10
33	Polynomial inverses of 2D transfer matrices and finite memory realizations via inverse systems. Multidimensional Systems and Signal Processing, 1993, 4, 269-284.	2.6	3
34	A 2-D systems approach to river pollution modelling. Multidimensional Systems and Signal Processing, 1991, 2, 233-265.	2.6	69
35	Dynamic regulation of 2D systems: A state-space approach. Linear Algebra and Its Applications, 1989, 122-124, 195-218.	0.9	45
36	Algebraic realization theory of bilinear discrete-time input-output maps. Journal of the Franklin Institute, 1976, 301, 143-159.	3.4	17