Mizuyo Takamatsu

List of Publications by Year
in descending order

16	89	6	9
papers	citations	h-index	g-index

(1478505 above h-index box; 1474206 above g-index box)

16	16	16	45
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tractability index of hybrid equations for circuit simulation. Mathematics of Computation, 2011, 81, 923-939.	2.1	13
2	Index reduction for differentialâ€"algebraic equations by substitution method. Linear Algebra and Its Applications, 2008, 429, 2268-2277.	0.9	11
3	Bus Timetable Design to Ensure Smooth Transfers in Areas with Low-Frequency Public Transportation Services. Transportation Science, 2020, 54, 1238-1250.	4.4	11
4	Index characterization of differentialâ€"algebraic equations in hybrid analysis for circuit simulation. International Journal of Circuit Theory and Applications, 2010, 38, 419-440.	2.0	10
5	Index minimization of differential-algebraic equations in hybrid analysis for circuit simulation. Mathematical Programming, 2010, 121, 105-121.	2.4	9
6	Computing the Maximum Degree of Minors in Mixed Polynomial Matrices via Combinatorial Relaxation. Algorithmica, 2013, 66, 346-368.	1.3	7
7	On the Kronecker Canonical Form of Singular Mixed Matrix Pencils. SIAM Journal on Control and Optimization, 2017, 55, 2134-2150.	2.1	6
8	On the Kronecker Canonical Form of Mixed Matrix Pencils. SIAM Journal on Matrix Analysis and Applications, 2011, 32, 44-71.	1.4	5
9	Index Reduction via Unimodular Transformations. SIAM Journal on Matrix Analysis and Applications, 2018, 39, 1135-1151.	1.4	5
10	NETAL : HIGH-PERFORMANCE IMPLEMENTATION OF NETWORK ANALYSIS LIBRARY CONSIDERING COMPUTER MEMORY HIERARCHY(<Special Issue>SCOPE (Seminar on Computation and OPtimization for new) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		
11	Index Reduction for Differential-algebraic Equations with Mixed Matrices. Journal of the ACM, 2019, 66, 1-34.	2.2	4
12	Optimizing train stopping patterns for congestion management. Public Transport, 0, , 1.	2.7	2
13	Computing the Degrees of All Cofactors in Mixed Polynomial Matrices. SIAM Journal on Discrete Mathematics, 2009, 23, 647-660.	0.8	1
14	Structural characterization of hybrid equations with tractability index at most two. Journal of Mathematical Analysis and Applications, 2014, 411, 639-651.	1.0	1
15	Matching Problems with Delta-Matroid Constraints. SIAM Journal on Discrete Mathematics, 2014, 28, 942-961.	0.8	0
16	Index Reduction for Differential-Algebraic Equations with Mixed Matrices. , 2018, , 45-55.		0