

Daniel PrÅ - Åja

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Converting nondeterministic two-way automata into small deterministic linear-time machines. Information and Computation, 2022, 289, 104938.	0.5	1
2	Two-dimensional pattern matching against local and regular-like picture languages. Theoretical Computer Science, 2021, 870, 137-152.	0.5	0
3	Relative Interior Rule in Block-Coordinate Descent. , 2020, , .		8
4	Complexity of Searching for 2 by 2 Submatrices in Boolean Matrices. Lecture Notes in Computer Science, 2020, , 266-279.	1.0	0
5	Complexity of Two-Dimensional Rank-Reducing Grammars. Lecture Notes in Computer Science, 2020, , 155-166.	1.0	0
6	Solving LP Relaxations of Some NP-Hard Problems Is As Hard As Solving Any Linear Program. SIAM Journal on Optimization, 2019, 29, 1745-1771.	1.2	2
7	Two-Dimensional Pattern Matching Against Basic Picture Languages. Lecture Notes in Computer Science, 2019, , 209-221.	1.0	7
8	A Simple Extension to Finite Tree Automata for Defining Sets of Labeled, Connected Graphs. Lecture Notes in Computer Science, 2019, , 121-132.	1.0	0
9	Two-Way Automata and One-Tape Machines. Lecture Notes in Computer Science, 2018, , 366-378.	1.0	3
10	Undecidability of the emptiness problem for context-free picture languages. Theoretical Computer Science, 2017, 679, 118-125.	0.5	2
11	LP Relaxations of Some NP-Hard Problems Are as Hard as Any LP. , 2017, , .		1
12	LP Relaxation of the Potts Labeling Problem Is as Hard as Any Linear Program. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 1469-1475.	9.7	6
13	Rank-Reducing Two-Dimensional Grammars for Document Layout Analysis. , 2017, , .		3
14	Template-Based Pattern Matching in Two-Dimensional Arrays. Lecture Notes in Computer Science, 2017, , 79-92.	1.0	2
15	Recognizing Off-Line Flowcharts by Reconstructing Strokes and Using On-Line Recognition Techniques. , 2016, , .		11
16	Non-recursive trade-offs between two-dimensional automata and grammars. Theoretical Computer Science, 2016, 610, 121-132.	0.5	5
17	Some classes of rational functions for pictures. RAIRO - Theoretical Informatics and Applications, 2016, 50, 351-369.	0.5	0
18	Online recognition of sketched arrow-connected diagrams. International Journal on Document Analysis and Recognition, 2016, 19, 253-267.	2.7	29

#	ARTICLE	IF	CITATIONS
19	Complexity of Sets of Two-Dimensional Patterns. Lecture Notes in Computer Science, 2016, , 236-247.	1.0	1
20	Graph-based simplex method for pairwise energy minimization with binary variables. , 2015, , .		1
21	Detection of Arrows in On-Line Sketched Diagrams Using Relative Stroke Positioning. , 2015, , .		8
22	Universality of the Local Marginal Polytope. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 898-904.	9.7	7
23	(Un)decidability of the Emptiness Problem for Multi-dimensional Context-Free Grammars. Lecture Notes in Computer Science, 2015, , 250-262.	1.0	0
24	Two-dimensional Sgraffito automata. RAIRO - Theoretical Informatics and Applications, 2014, 48, 505-539.	0.5	7
25	Garment perception and its folding using a dual-arm robot. , 2014, , .		51
26	Recognition System for On-Line Sketched Diagrams. , 2014, , .		30
27	Weight-Reducing Hennie Machines and Their Descriptive Complexity. Lecture Notes in Computer Science, 2014, , 553-564.	1.0	13
28	Polygonal Models for Clothing. Lecture Notes in Computer Science, 2014, , 173-184.	1.0	13
29	Non-recursive Trade-offs between Two-Dimensional Automata and Grammars. Lecture Notes in Computer Science, 2014, , 352-363.	1.0	1
30	Universality of the Local Marginal Polytope. , 2013, , .		4
31	Modeling Flowchart Structure Recognition as a Max-Sum Problem. , 2013, , .		27
32	RESTARTING TILING AUTOMATA. International Journal of Foundations of Computer Science, 2013, 24, 863-878.	0.8	7
33	New Results on Deterministic Sgraffito Automata. Lecture Notes in Computer Science, 2013, , 409-419.	1.0	8
34	Comparing Two-Dimensional One-Marker Automata to Sgraffito Automata. Lecture Notes in Computer Science, 2013, , 268-279.	1.0	5
35	MfrDB: Database of Annotated On-Line Mathematical Formulae. , 2012, , .		7
36	Two-Dimensional Sgraffito Automata. Lecture Notes in Computer Science, 2012, , 251-262.	1.0	9

#	ARTICLE	IF	CITATIONS
37	Generic framework for integration of programming languages into netbeans ide. , 2008, , .		0
38	Structural Construction for On-Line Mathematical Formulae Recognition. Lecture Notes in Computer Science, 2008, , 317-324.	1.0	1
39	Mathematical Formulae Recognition Using 2D Grammars. Proc Int Conf Doc Anal Recognit, 2007, , .	0.0	22