

# Graeme Gange

## List of Publications by Year in descending order

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45  
papers

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citations

840776

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g-index

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51  
docs citations

51  
times ranked

289  
citing authors

#	ARTICLE	IF	CITATIONS
1	SLA-Based Profit Optimization Resource Scheduling for Big Data Analytics-as-a-Service Platforms in Cloud Computing Environments. IEEE Transactions on Cloud Computing, 2021, 9, 1236-1253.	4.4	28
2	SLA-Based Resource Scheduling for Big Data Analytics as a Service in Cloud Computing Environments. , 2015, , .		27
3	High-Quality Ultra-Compact Grid Layout of Grouped Networks. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 339-348.	4.4	26
4	Synthesizing Optimal Switching Lattices. ACM Transactions on Design Automation of Electronic Systems, 2014, 20, 1-14.	2.6	23
5	Combining String Abstract Domains for JavaScript Analysis: An Evaluation. Lecture Notes in Computer Science, 2017, , 41-57.	1.3	20
6	MDD propagators with explanation. Constraints, 2011, 16, 407-429.	0.7	17
7	An Abstract Domain of Uninterpreted Functions. Lecture Notes in Computer Science, 2016, , 85-103.	1.3	16
8	Horn clauses as an intermediate representation for program analysis and transformation. Theory and Practice of Logic Programming, 2015, 15, 526-542.	1.5	15
9	Abstract Interpretation over Non-lattice Abstract Domains. Lecture Notes in Computer Science, 2013, , 6-24.	1.3	15
10	Unbounded Model-Checking with Interpolation for Regular Language Constraints. Lecture Notes in Computer Science, 2013, , 277-291.	1.3	14
11	Optimal Sankey Diagrams Via Integer Programming. , 2018, , .		13
12	A Novel Approach to String Constraint Solving. Lecture Notes in Computer Science, 2017, , 3-20.	1.3	13
13	Interval Analysis and Machine Arithmetic. ACM Transactions on Programming Languages and Systems, 2015, 37, 1-35.	2.1	12
14	Optimal k-Level Planarization and Crossing Minimization. Lecture Notes in Computer Science, 2011, , 238-249.	1.3	11
15	Exploiting Sparsity in Difference-Bound Matrices. Lecture Notes in Computer Science, 2016, , 189-211.	1.3	10
16	Reference Abstract Domains and Applications to String Analysis. Fundamenta Informaticae, 2018, 158, 297-326.	0.4	10
17	An iterative approach to precondition inference using constrained Horn clauses. Theory and Practice of Logic Programming, 2018, 18, 553-570.	1.5	8
18	Core-Guided and Core-Boosted Search for CP. Lecture Notes in Computer Science, 2020, , 205-221.	1.3	8

#	ARTICLE	IF	CITATIONS
19	Optimal guillotine layout. , 2012, , .		7
20	Failure tabled constraint logic programming by interpolation. Theory and Practice of Logic Programming, 2013, 13, 593-607.	1.5	7
21	Compiling CP subproblems to MDDs and d-DNNFs. Constraints, 2019, 24, 56-93.	0.7	7
22	Constraint Programming for Dynamic Symbolic Execution of JavaScript. Lecture Notes in Computer Science, 2019, , 1-19.	1.3	6
23	Solving Difference Constraints over Modular Arithmetic. Lecture Notes in Computer Science, 2013, , 215-230.	1.3	5
24	Optimal automatic table layout. , 2011, , .		4
25	Propagating Regular Membership with Dashed Strings. Lecture Notes in Computer Science, 2018, , 13-29.	1.3	4
26	Propagating lex, find and replace with Dashed Strings. Lecture Notes in Computer Science, 2018, , 18-34.	1.3	4
27	A Tool for Intersecting Context-Free Grammars and Its Applications. Lecture Notes in Computer Science, 2015, , 422-428.	1.3	4
28	Explaining Propagators for s-DNNF Circuits. Lecture Notes in Computer Science, 2012, , 195-210.	1.3	4
29	Breaking Symmetries in Graphs: The Nauty Way. Lecture Notes in Computer Science, 2016, , 157-172.	1.3	4
30	A Fresh Look at Zones and Octagons. ACM Transactions on Programming Languages and Systems, 2021, 43, 1-51.	2.1	3
31	Disjunctive Interval Analysis. Lecture Notes in Computer Science, 2021, , 144-165.	1.3	3
32	Sequential Precede Chain for Value Symmetry Elimination. Lecture Notes in Computer Science, 2018, , 144-159.	1.3	2
33	Transformation-Enabled Precondition Inference. Theory and Practice of Logic Programming, 2021, 21, 700-716.	1.5	2
34	Weighted Spanning Tree Constraint with Explanations. Lecture Notes in Computer Science, 2016, , 98-107.	1.3	2
35	Smooth Linear Approximation of Non-overlap Constraints. Lecture Notes in Computer Science, 2008, , 45-59.	1.3	2
36	A Benders Decomposition Approach to Deciding Modular Linear Integer Arithmetic. Lecture Notes in Computer Science, 2017, , 380-397.	1.3	2

#	ARTICLE	IF	CITATIONS
37	Dashed Strings and the Replace(-all) Constraint. Lecture Notes in Computer Science, 2020, , 3-20.	1.3	2
38	BetaSearch: a new method for querying $\hat{I}^2$ -residue motifs. BMC Research Notes, 2012, 5, 391.	1.4	1
39	A complete refinement procedure for regular separability of context-free languages. Theoretical Computer Science, 2016, 625, 1-24.	0.9	1
40	A Bounded Path Propagator on Directed Graphs. Lecture Notes in Computer Science, 2016, , 189-206.	1.3	1
41	Automatic Minimal-Height Table Layout. INFORMS Journal on Computing, 2015, 27, 449-461.	1.7	0
42	Minimizing Landscape Resistance for Habitat Conservation. Lecture Notes in Computer Science, 2017, , 113-130.	1.3	0
43	Dissecting Widening: Separating Termination from Information. Lecture Notes in Computer Science, 2019, , 95-114.	1.3	0
44	Core-Guided Model Reformulation. Lecture Notes in Computer Science, 2020, , 445-461.	1.3	0
45	The Argmax Constraint. Lecture Notes in Computer Science, 2020, , 323-337.	1.3	0