

# Peter J Stuckey

## List of Publications by Year in descending order

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223  
papers

5,161  
citations

201385

27  
h-index

174990

52  
g-index

240  
all docs

240  
docs citations

240  
times ranked

3658  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast optimal and bounded suboptimal Euclidean pathfinding. <i>Artificial Intelligence</i> , 2022, 302, 103624.	3.9	3
2	Branch-and-cut-and-price for multi-agent path finding. <i>Computers and Operations Research</i> , 2022, 144, 105809.	2.4	9
3	On the reliability and the limits of inference of amino acid sequence alignments. <i>Bioinformatics</i> , 2022, 38, i255-i263.	1.8	6
4	Branch-and-cut-and-price for the Electric Vehicle Routing Problem with Time Windows, Piecewise-Linear Recharging and Capacitated Recharging Stations. <i>Computers and Operations Research</i> , 2022, 145, 105870.	2.4	23
5	Algorithm Selection for Dynamic Symbolic Execution: A Preliminary Study. <i>Lecture Notes in Computer Science</i> , 2021, , 192-209.	1.0	1
6	Assertion-Based Approaches to Auditing Complex Elections, with Application to Party-List Proportional Elections. <i>Lecture Notes in Computer Science</i> , 2021, , 47-62.	1.0	5
7	A Fresh Look at Zones and Octagons. <i>ACM Transactions on Programming Languages and Systems</i> , 2021, 43, 1-51.	1.7	3
8	Transformation-Enabled Precondition Inference. <i>Theory and Practice of Logic Programming</i> , 2021, 21, 700-716.	1.1	2
9	Pairwise symmetry reasoning for multi-agent path finding search. <i>Artificial Intelligence</i> , 2021, 301, 103574.	3.9	25
10	Integrated Task Assignment and Path Planning for Capacitated Multi-Agent Pickup and Delivery. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 5816-5823.	3.3	58
11	Auditing Hamiltonian Elections. <i>Lecture Notes in Computer Science</i> , 2021, , 235-250.	1.0	4
12	Disjunctive Interval Analysis. <i>Lecture Notes in Computer Science</i> , 2021, , 144-165.	1.0	3
13	On identifying statistical redundancy at the level of amino acid subsequences. , 2021, , .		0
14	Nutmeg: a MIP and CP Hybrid Solver Using Branch-and-Check. <i>SN Operations Research Forum</i> , 2020, 1, 1.	0.6	8
15	Logistics optimization for a coal supply chain. <i>Journal of Heuristics</i> , 2020, 26, 269-300.	1.1	18
16	Universal Architectural Concepts Underlying Protein Folding Patterns. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 612920.	1.6	9
17	Core-Guided and Core-Boosted Search for CP. <i>Lecture Notes in Computer Science</i> , 2020, , 205-221.	1.0	8
18	Large Neighborhood Search for Temperature Control with Demand Response. <i>Lecture Notes in Computer Science</i> , 2020, , 603-619.	1.0	1

#	ARTICLE	IF	CITATIONS
19	The Argmax Constraint. Lecture Notes in Computer Science, 2020, , 323-337.	1.0	0
20	Theoretical and Experimental Results for Planning with Learned Binarized Neural Network Transition Models. Lecture Notes in Computer Science, 2020, , 917-934.	1.0	0
21	Aggregation and Garbage Collection for Online Optimization. Lecture Notes in Computer Science, 2020, , 231-247.	1.0	0
22	Exact Approaches to the Multi-agent Collective Construction Problem. Lecture Notes in Computer Science, 2020, , 743-758.	1.0	3
23	Random Errors Are Not Necessarily Politically Neutral. Lecture Notes in Computer Science, 2020, , 19-35.	1.0	0
24	Dashed Strings and the Replace(-all) Constraint. Lecture Notes in Computer Science, 2020, , 3-20.	1.0	2
25	Solving Satisfaction Problems Using Large-Neighbourhood Search. Lecture Notes in Computer Science, 2020, , 55-71.	1.0	0
26	Shifting the Balance-of-Power in STV Elections. Lecture Notes in Computer Science, 2020, , 1-18.	1.0	0
27	Modelling and Solving Online Optimisation Problems. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 1477-1485.	3.6	1
28	Toward Computing the Margin of Victory in Single Transferable Vote Elections. INFORMS Journal on Computing, 2019, 31, 636-653.	1.0	5
29	Constraint Programming for Dynamic Symbolic Execution of JavaScript. Lecture Notes in Computer Science, 2019, , 1-19.	1.0	6
30	Core-Boosted Linear Search for Incomplete MaxSAT. Lecture Notes in Computer Science, 2019, , 39-56.	1.0	18
31	Searching with Consistent Prioritization for Multi-Agent Path Finding. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 7643-7650.	3.6	63
32	Constraints for symmetry breaking in graph representation. Constraints, 2019, 24, 1-24.	0.4	8
33	Wombit: A Portfolio Bit-Vector Solver Using Word-Level Propagation. Journal of Automated Reasoning, 2019, 63, 723-762.	1.1	4
34	Compiling CP subproblems to MDDs and d-DNNFs. Constraints, 2019, 24, 56-93.	0.4	7
35	Short-term planning for open pit mines: a review. International Journal of Mining, Reclamation and Environment, 2019, 33, 318-339.	1.2	54
36	Techniques Inspired by Local Search for Incomplete MaxSAT and the Linear Algorithm: Varying Resolution and Solution-Guided Search. Lecture Notes in Computer Science, 2019, , 177-194.	1.0	6

#	ARTICLE	IF	CITATIONS
37	Symmetry-Breaking Constraints for Grid-Based Multi-Agent Path Finding. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 6087-6095.	3.6	19
38	Dissecting Widening: Separating Termination from Information. Lecture Notes in Computer Science, 2019, , 95-114.	1.0	0
39	Information-Theoretic Inference of an Optimal Dictionary of Protein Supersecondary Structures. Methods in Molecular Biology, 2019, 1958, 123-131.	0.4	2
40	Exploring Declarative Local-Search Neighbourhoods with Constraint Programming. Lecture Notes in Computer Science, 2019, , 37-53.	1.0	0
41	Branch-and-Cut-and-Price for Multi-Agent Pathfinding. , 2019, , .		27
42	Multi-objective short-term production scheduling for open-pit mines: a hierarchical decomposition-based algorithm. Engineering Optimization, 2018, 50, 2143-2160.	1.5	7
43	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems. European Journal of Operational Research, 2018, 266, 472-486.	3.5	29
44	Declarative Local-Search Neighbourhoods in MiniZinc. , 2018, , .		3
45	An iterative approach to precondition inference using constrained Horn clauses. Theory and Practice of Logic Programming, 2018, 18, 553-570.	1.1	8
46	Sequential Precede Chain for Value Symmetry Elimination. Lecture Notes in Computer Science, 2018, , 144-159.	1.0	2
47	Propagating Regular Membership with Dashed Strings. Lecture Notes in Computer Science, 2018, , 13-29.	1.0	4
48	Solution-Based Phase Saving for CP: A Value-Selection Heuristic to Simulate Local Search Behavior in Complete Solvers. Lecture Notes in Computer Science, 2018, , 99-108.	1.0	8
49	Solver Independent Rotating Workforce Scheduling. Lecture Notes in Computer Science, 2018, , 429-445.	1.0	8
50	Solver-Independent Large Neighbourhood Search. Lecture Notes in Computer Science, 2018, , 81-98.	1.0	6
51	Optimal Sankey Diagrams Via Integer Programming. , 2018, , .		13
52	Propagating lex, find and replace with Dashed Strings. Lecture Notes in Computer Science, 2018, , 18-34.	1.0	4
53	Computing the Margin of Victory in Preferential Parliamentary Elections. Lecture Notes in Computer Science, 2018, , 1-16.	1.0	7
54	Ballot-Polling Risk Limiting Audits for IRV Elections. Lecture Notes in Computer Science, 2018, , 17-34.	1.0	10

#	ARTICLE	IF	CITATIONS
55	Using constraint programming for solving RCPSP/max-cal. Constraints, 2017, 22, 432-462.	0.4	19
56	Statistical inference of protein structural alignments using information and compression. Bioinformatics, 2017, 33, 1005-1013.	1.8	18
57	Statistical Compression of Protein Folding Patterns for Inference of Recurrent Substructural Themes. , 2017, , .		2
58	A Declarative Approach to Constrained Community Detection. Lecture Notes in Computer Science, 2017, , 477-494.	1.0	8
59	Short-term scheduling of an open-pit mine with multiple objectives. Engineering Optimization, 2017, 49, 777-795.	1.5	19
60	MiniZinc with Strings. Lecture Notes in Computer Science, 2017, , 59-75.	1.0	9
61	Context-Sensitive Dynamic Partial Order Reduction. Lecture Notes in Computer Science, 2017, , 526-543.	1.0	18
62	A Novel Approach to String Constraint Solving. Lecture Notes in Computer Science, 2017, , 3-20.	1.0	13
63	Combining String Abstract Domains for JavaScript Analysis: An Evaluation. Lecture Notes in Computer Science, 2017, , 41-57.	1.0	20
64	Range-Consistent Forbidden Regions of Allen's Relations. Lecture Notes in Computer Science, 2017, , 21-29.	1.0	0
65	Minimizing Landscape Resistance for Habitat Conservation. Lecture Notes in Computer Science, 2017, , 113-130.	1.0	0
66	A Benders Decomposition Approach to Deciding Modular Linear Integer Arithmetic. Lecture Notes in Computer Science, 2017, , 380-397.	1.0	2
67	Symmetry declarations for MiniZinc. , 2016, , .		0
68	A complete refinement procedure for regular separability of context-free languages. Theoretical Computer Science, 2016, 625, 1-24.	0.5	1
69	A Decomposition-Based Algorithm for the Scheduling of Open-Pit Networks Over Multiple Time Periods. Management Science, 2016, 62, 3059-3084.	2.4	23
70	Parallelizing Constraint Programming with Learning. Lecture Notes in Computer Science, 2016, , 142-158.	1.0	4
71	Improved Linearization of Constraint Programming Models. Lecture Notes in Computer Science, 2016, , 49-65.	1.0	18
72	A Bounded Path Propagator on Directed Graphs. Lecture Notes in Computer Science, 2016, , 189-206.	1.0	1

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73	Horn clauses as an intermediate representation for program analysis and transformation. Theory and Practice of Logic Programming, 2015, 15, 526-542.	1.1	15
74	Dominance breaking constraints. Constraints, 2015, 20, 155-182.	0.4	7
75	Exact and Heuristic Methods for the Resource-Constrained Net Present Value Problem. , 2015, , 299-318.		6
76	Interval Analysis and Machine Arithmetic. ACM Transactions on Programming Languages and Systems, 2015, 37, 1-35.	1.7	12
77	Automatic Minimal-Height Table Layout. INFORMS Journal on Computing, 2015, 27, 449-461.	1.0	0
78	Two type extensions for the constraint modeling language MiniZinc. Science of Computer Programming, 2015, 111, 156-189.	1.5	2
79	Learning Value Heuristics for Constraint Programming. Lecture Notes in Computer Science, 2015, , 108-123.	1.0	14
80	Modeling and Solving Project Scheduling with Calendars. Lecture Notes in Computer Science, 2015, , 262-278.	1.0	7
81	Encoding Linear Constraints with Implication Chains to CNF. Lecture Notes in Computer Science, 2015, , 3-11.	1.0	6
82	The MiniZinc Challenge 2008â€“2013. AI Magazine, 2014, 35, 55-60.	1.4	65
83	Synthesizing Optimal Switching Lattices. ACM Transactions on Design Automation of Electronic Systems, 2014, 20, 1-14.	1.9	23
84	A Decomposition-Based Heuristic for Collaborative Scheduling in a Network of Open-Pit Mines. INFORMS Journal on Computing, 2014, 26, 658-676.	1.0	18
85	How precise are reported protein coordinate data?. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 904-906.	2.5	3
86	The future of optimization technology. Constraints, 2014, 19, 126-138.	0.4	11
87	Explaining circuit propagation. Constraints, 2014, 19, 1-29.	0.4	16
88	Symmetries, almost symmetries, and lazy clause generation. Constraints, 2014, 19, 434-462.	0.4	13
89	Local Search for a Cargo Assembly Planning Problem. Lecture Notes in Computer Science, 2014, , 159-175.	1.0	11
90	Modelling with Option Types in MiniZinc. Lecture Notes in Computer Science, 2014, , 88-103.	1.0	4

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91	Sequential Time Splitting and Bounds Communication for a Portfolio of Optimization Solvers. Lecture Notes in Computer Science, 2014, , 108-124.	1.0	11
92	Encoding Linear Constraints into SAT. Lecture Notes in Computer Science, 2014, , 75-91.	1.0	13
93	Nested Constraint Programs. Lecture Notes in Computer Science, 2014, , 240-255.	1.0	3
94	Seeing Around Corners: Fast Orthogonal Connector Routing. Lecture Notes in Computer Science, 2014, , 31-37.	1.0	0
95	Loop Untangling. Lecture Notes in Computer Science, 2014, , 340-355.	1.0	1
96	Stochastic MiniZinc. Lecture Notes in Computer Science, 2014, , 636-645.	1.0	2
97	Solving RCPSP/max by lazy clause generation. Journal of Scheduling, 2013, 16, 273-289.	1.3	55
98	Discovery and analysis of consistent active sub-networks in cancers. BMC Bioinformatics, 2013, 14, S7.	1.2	12
99	A Lagrangian Relaxation Based Forward-Backward Improvement Heuristic for Maximising the Net Present Value of Resource-Constrained Projects. Lecture Notes in Computer Science, 2013, , 340-346.	1.0	10
100	A CLP heap solver for test case generation. Theory and Practice of Logic Programming, 2013, 13, 721-735.	1.1	4
101	Search combinators. Constraints, 2013, 18, 269-305.	0.4	19
102	Finite type extensions in constraint programming. , 2013, , .		1
103	Statistical Inference of Protein "LEGO Bricks". , 2013, , .		1
104	Stable model semantics for founded bounds. Theory and Practice of Logic Programming, 2013, 13, 517-532.	1.1	5
105	Failure tabled constraint logic programming by interpolation. Theory and Practice of Logic Programming, 2013, 13, 593-607.	1.1	7
106	Unbounded Model-Checking with Interpolation for Regular Language Constraints. Lecture Notes in Computer Science, 2013, , 277-291.	1.0	14
107	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint. Lecture Notes in Computer Science, 2013, , 234-250.	1.0	23
108	MiniZinc with Functions. Lecture Notes in Computer Science, 2013, , 268-283.	1.0	17

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109	Solving Difference Constraints over Modular Arithmetic. Lecture Notes in Computer Science, 2013, , 215-230.	1.0	5
110	Abstract Interpretation over Non-lattice Abstract Domains. Lecture Notes in Computer Science, 2013, , 6-24.	1.0	15
111	There Are No CNF Problems. Lecture Notes in Computer Science, 2013, , 19-21.	1.0	4
112	To Encode or to Propagate? The Best Choice for Each Constraint in SAT. Lecture Notes in Computer Science, 2013, , 97-106.	1.0	10
113	Modelling Destructive Assignments. Lecture Notes in Computer Science, 2013, , 315-330.	1.0	2
114	Scheduling Optional Tasks with Explanation. Lecture Notes in Computer Science, 2013, , 628-644.	1.0	11
115	Those Who Cannot Remember the Past Are Condemned to Repeat It. Lecture Notes in Computer Science, 2013, , 5-6.	1.0	0
116	An Introduction to Search Combinators. Lecture Notes in Computer Science, 2013, , 2-16.	1.0	1
117	Optimal guillotine layout. , 2012, , .		7
118	Maximising the Net Present Value of Large Resource-Constrained Projects. Lecture Notes in Computer Science, 2012, , 767-781.	1.0	5
119	AI@NICTA. AI Magazine, 2012, 33, 115.	1.4	0
120	A complete solution to the Maximum Density Still Life Problem. Artificial Intelligence, 2012, 184-185, 1-16.	3.9	3
121	Exploiting subproblem dominance in constraint programming. Constraints, 2012, 17, 1-38.	0.4	7
122	A General Implementation Framework for Tabled CLP. Lecture Notes in Computer Science, 2012, , 104-119.	1.0	4
123	Explaining Flow-Based Propagation. Lecture Notes in Computer Science, 2012, , 146-162.	1.0	8
124	Explaining Propagators for s-DNNF Circuits. Lecture Notes in Computer Science, 2012, , 195-210.	1.0	4
125	Maximising the Net Present Value for Resource-Constrained Project Scheduling. Lecture Notes in Computer Science, 2012, , 362-378.	1.0	19
126	Orthogonal Hyperedge Routing. Lecture Notes in Computer Science, 2012, , 51-64.	1.0	4



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127	A Generic Method for Identifying and Exploiting Dominance Relations. Lecture Notes in Computer Science, 2012, , 6-22.	1.0	7
128	Conflict Directed Lazy Decomposition. Lecture Notes in Computer Science, 2012, , 70-85.	1.0	14
129	Signedness-Agnostic Program Analysis: Precise Integer Bounds for Low-Level Code. Lecture Notes in Computer Science, 2012, , 115-130.	1.0	16
130	Optimisation Modelling for Software Developers. Lecture Notes in Computer Science, 2012, , 274-289.	1.0	5
131	Inter-instance Nogood Learning in Constraint Programming. Lecture Notes in Computer Science, 2012, , 238-247.	1.0	3
132	Dantzig-Wolfe decomposition and branch-and-price solving in G12. Constraints, 2011, 16, 77-99.	0.4	18
133	Explaining the cumulative propagator. Constraints, 2011, 16, 250-282.	0.4	66
134	CP and IP approaches to cancer radiotherapy delivery optimization. Constraints, 2011, 16, 173-194.	0.4	13
135	MDD propagators with explanation. Constraints, 2011, 16, 407-429.	0.4	17
136	Automatic generation of protein structure cartoons with Pro-origami. Bioinformatics, 2011, 27, 3315-3316.	1.8	173
137	Optimal automatic table layout. , 2011, , .		4
138	Piecewise linear approximation of protein structures using the principle of minimum message length. Bioinformatics, 2011, 27, i43-i51.	1.8	9
139	Solving Talent Scheduling with Dynamic Programming. INFORMS Journal on Computing, 2011, 23, 120-137.	1.0	28
140	Optimal k-Level Planarization and Crossing Minimization. Lecture Notes in Computer Science, 2011, , 238-249.	1.0	11
141	Reducing Chaos in SAT-Like Search: Finding Solutions Close to a Given One. Lecture Notes in Computer Science, 2011, , 273-286.	1.0	6
142	Half Reification and Flattening. Lecture Notes in Computer Science, 2011, , 286-301.	1.0	15
143	Boolean Equi-propagation for Optimized SAT Encoding. Lecture Notes in Computer Science, 2011, , 621-636.	1.0	9
144	Search Combinators. Lecture Notes in Computer Science, 2011, , 774-788.	1.0	7

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145	Optimal Carpet Cutting. Lecture Notes in Computer Science, 2011, , 69-84.	1.0	11
146	Memoizing a Monadic Mixin DSL. Lecture Notes in Computer Science, 2011, , 68-85.	1.0	0
147	Philosophy of the MiniZinc challenge. Constraints, 2010, 15, 307-316.	0.4	25
148	Fast and accurate protein substructure searching with simulated annealing and GPUs. BMC Bioinformatics, 2010, 11, 446.	1.2	41
149	Lock-free parallel dynamic programming. Journal of Parallel and Distributed Computing, 2010, 70, 839-848.	2.7	33
150	MUSTANG-MR Structural Sieving Server: Applications in Protein Structural Analysis and Crystallography. PLoS ONE, 2010, 5, e10048.	1.1	47
151	MIRAGAA—a methodology for finding coordinated effects of microRNA expression changes and genome aberrations in cancer. Bioinformatics, 2010, 26, 161-167.	1.8	15
152	Incremental Satisfiability and Implication for UTVPI Constraints. INFORMS Journal on Computing, 2010, 22, 514-527.	1.0	20
153	Orthogonal Connector Routing. Lecture Notes in Computer Science, 2010, , 219-231.	1.0	17
154	Monadic constraint programming. Journal of Functional Programming, 2009, 19, 663-697.	0.5	26
155	Tableau-based protein substructure search using quadratic programming. BMC Bioinformatics, 2009, 10, 153.	1.2	12
156	Propagating systems of dense linear integer constraints. Constraints, 2009, 14, 235-253.	0.4	0
157	Propagation via lazy clause generation. Constraints, 2009, 14, 357-391.	0.4	156
158	Lazy Clause Generation Reengineered. Lecture Notes in Computer Science, 2009, , 352-366.	1.0	60
159	Why Cumulative Decomposition Is Not as Bad as It Sounds. Lecture Notes in Computer Science, 2009, , 746-761.	1.0	38
160	The Design of the Zinc Modelling Language. Constraints, 2008, 13, 229-267.	0.4	101
161	Exploration of Networks using overview+detail with Constraint-based cooperative layout. IEEE Transactions on Visualization and Computer Graphics, 2008, 14, 1293-1300.	2.9	46
162	Dynamic variable elimination during propagation solving. , 2008, , .		1

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163	Global difference constraint propagation for finite domain solvers. , 2008, , .		8
164	Automating branch-and-bound for dynamic programs. , 2008, , .		8
165	Efficient constraint propagation engines. ACM Transactions on Programming Languages and Systems, 2008, 31, 1-43.	1.7	80
166	Structural search and retrieval using a tableau representation of protein folding patterns. Bioinformatics, 2008, 24, 645-651.	1.8	30
167	Logic programming with satisfiability. Theory and Practice of Logic Programming, 2008, 8, 121-128.	1.1	21
168	HM(X) type inference is CLP(X) solving. Journal of Functional Programming, 2008, 18, .	0.5	12
169	Solving Partial Order Constraints for LPO Termination. Journal of Satisfiability, Boolean Modeling and Computation, 2008, 5, 193-215.	1.2	5
170	From High-Level Model to Branch-and-Price Solution in G12. , 2008, , 218-232.		8
171	Flexible, Rule-Based Constraint Model Linearisation. , 2008, , 68-83.		7
172	Optimizing Compilation of CHR with Rule Priorities. Lecture Notes in Computer Science, 2008, , 32-47.	1.0	6
173	Smooth Linear Approximation of Non-overlap Constraints. Lecture Notes in Computer Science, 2008, , 45-59.	1.0	2
174	Cadmium: An Implementation of ACD Term Rewriting. Lecture Notes in Computer Science, 2008, , 531-545.	1.0	7
175	Propagating dense systems of integer linear equations. , 2007, , .		1
176	Understanding functional dependencies via constraint handling rules. Journal of Functional Programming, 2007, 17, 83-129.	0.5	55
177	Dynamic Programming to Minimize the Maximum Number of Open Stacks. INFORMS Journal on Computing, 2007, 19, 607-617.	1.0	22
178	The island confinement method for reducing search space in local search methods. Journal of Heuristics, 2007, 13, 557-585.	1.1	6
179	Minimum Cardinality Matrix Decomposition into Consecutive-Ones Matrices: CP and IP Approaches. Lecture Notes in Computer Science, 2007, , 1-15.	1.0	22
180	Encodings of the Sequence Constraint. , 2007, , 210-224.		25

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181	MiniZinc: Towards a Standard CP Modelling Language. , 2007, , 529-543.		411
182	Propagation = Lazy Clause Generation. , 2007, , 544-558.		33
183	Constraint Logic Programming. Foundations of Artificial Intelligence, 2006, , 409-452.	0.9	6
184	Improving PARMA trailing. Theory and Practice of Logic Programming, 2006, 6, 609-644.	1.1	0
185	MUSTANG: A multiple structural alignment algorithm. Proteins: Structure, Function and Bioinformatics, 2006, 64, 559-574.	1.5	615
186	Incremental Connector Routing. Lecture Notes in Computer Science, 2006, , 446-457.	1.0	14
187	ACD Term Rewriting. Lecture Notes in Computer Science, 2006, , 117-131.	1.0	13
188	A Stochastic Non-CNF SAT Solver. Lecture Notes in Computer Science, 2006, , 120-129.	1.0	6
189	Fast Node Overlap Removalâ€”Correction. , 2006, , 446-447.		11
190	Checking modes of HAL programs. Theory and Practice of Logic Programming, 2005, 5, 623-667.	1.1	1
191	Optimizing compilation of constraint handling rules in HAL. Theory and Practice of Logic Programming, 2005, 5, 503-531.	1.1	20
192	A Hybrid BDD and SAT Finite Domain Constraint Solver. Lecture Notes in Computer Science, 2005, , 103-117.	1.0	7
193	The G12 Project: Mapping Solver Independent Models to Efficient Solutions. Lecture Notes in Computer Science, 2005, , 9-13.	1.0	16
194	A Generic Framework for Context-Sensitive Analysis of Modular Programs. Lecture Notes in Computer Science, 2004, , 233-260.	1.0	6
195	Improving type error diagnosis. , 2004, , .		25
196	The Refined Operational Semantics of Constraint Handling Rules. Lecture Notes in Computer Science, 2004, , 90-104.	1.0	65
197	Improving Linear Constraint Propagation by Changing Constraint Representation. Constraints, 2003, 8, 173-207.	0.4	28
198	Removing Node Overlapping in Graph Layout Using Constrained Optimization. Constraints, 2003, 8, 143-171.	0.4	28

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199	Interactive type debugging in Haskell. , 2003, , .		45
200	Efficient Intelligent Backtracking Using Linear Programming. INFORMS Journal on Computing, 2002, 14, 373-386.	1.0	16
201	Fourier Elimination for Compiling Constraint Hierarchies. Constraints, 2002, 7, 199-219.	0.4	4
202	To the Gates of HAL: A HAL Tutorial. Lecture Notes in Computer Science, 2002, , 47-66.	1.0	10
203	Exception analysis for non-strict languages. ACM SIGPLAN Notices, 2002, 37, 98-109.	0.2	2
204	A Framework for Analysis of Typed Logic Programs. Lecture Notes in Computer Science, 2001, , 296-310.	1.0	8
205	A Model for Inter-module Analysis and Optimizing Compilation. Lecture Notes in Computer Science, 2001, , 86-102.	1.0	15
206	Effective Strictness Analysis with HORN Constraints. Lecture Notes in Computer Science, 2001, , 73-92.	1.0	2
207	Boolean Constraints for Binding-Time Analysis. Lecture Notes in Computer Science, 2001, , 39-62.	1.0	8
208	Building Constraint Solvers with HAL. Lecture Notes in Computer Science, 2001, , 90-104.	1.0	2
209	Incremental analysis of constraint logic programs. ACM Transactions on Programming Languages and Systems, 2000, 22, 187-223.	1.7	63
210	IMPROVING EVOLUTIONARY ALGORITHMS FOR EFFICIENT CONSTRAINT SATISFACTION. International Journal on Artificial Intelligence Tools, 1999, 08, 363-383.	0.7	16
211	Constraint cascading style sheets for the Web. , 1999, , .		51
212	An Overview of HAL. Lecture Notes in Computer Science, 1999, , 174-188.	1.0	23
213	A practical object-oriented analysis engine for CLP. , 1998, 28, 199-224.		4
214	The semantics of constraint logic programs1Note that reviewing of this paper was handled by the Editor-in-Chief.1. The Journal of Logic Programming, 1998, 37, 1-46.	1.9	131
215	Optimizing compilation of CLP( $\hat{\text{a}}$ , $\hat{\text{r}}$ ). ACM Transactions on Programming Languages and Systems, 1998, 20, 1223-1250.	1.7	8
216	A practical object-oriented analysis engine for CLP. , 1998, 28, 199.		1

#	ARTICLE	IF	CITATIONS
217	Programming with Constraints. , 1998, , .		514
218	Solving linear arithmetic constraints for user interface applications. , 1997, , .		69
219	Title is missing!. Journal of Systems Integration, 1997, 7, 191-230.	0.1	1
220	Introduction to the Special Issue on Constraints and Databases. Constraints, 1997, 2, 243-243.	0.4	0
221	Beyond finite domains. Lecture Notes in Computer Science, 1994, , 86-94.	1.0	58
222	Projecting CLPR constraints. New Generation Computing, 1993, 11, 449-469.	2.5	14
223	Incremental Linear Constraint Solving and Detection of Implicit Equalities. ORSA Journal on Computing, 1991, 3, 269-274.	1.7	17