

Networks of constraints: Fundamental properties and a

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Tractable Valued Constraints. , 0, , 105-140.		0
2	Picture processing: 1974. Computer Graphics and Image Processing, 1975, 4, 133-151.	0.9	23
3	Consistency in networks of relations. Artificial Intelligence, 1977, 8, 99-118.	3.9	1,730
4	Reduction operations for constraint satisfaction. Information Sciences, 1978, 14, 199-219.	4.0	43
5	Synthesizing constraint expressions. Communications of the ACM, 1978, 21, 958-966.	3.3	372
6	Relational consistency algorithms and their application in finding subgraph and graph isomorphisms. Information Sciences, 1979, 19, 229-250.	4.0	102
7	The Consistent Labeling Problem: Part I. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1979, PAMI-1, 173-184.	9.7	241
8	Increasing tree search efficiency for constraint satisfaction problems. Artificial Intelligence, 1980, 14, 263-313.	3.9	804
10	Structural Descriptions and Inexact Matching. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1981, PAMI-3, 504-519.	9.7	431
11	Consistency in Networks of Relations. , 1981, , 69-78.		1
12	RECONSTRUCTABILITY ANALYSIS: Overview and Bibliographyâ€. International Journal of General Systems, 1981, 7, 1-6.	1.2	34
13	Consistent-labeling problems and their algorithms: Expected-complexities and theory-based heuristics. Artificial Intelligence, 1983, 21, 135-178.	3.9	107
14	Matching three-dimensional objects using a relational paradigm. Pattern Recognition, 1984, 17, 385-405.	5.1	53
15	Hierarchical arc consistency: exploiting structured domains in constraint satisfaction problems. Computational Intelligence, 1985, 1, 118-126.	2.1	41
16	Relaxation labelling algorithms â€” a review. Image and Vision Computing, 1985, 3, 206-216.	2.7	169
17	The complexity of some polynomial network consistency algorithms for constraint satisfaction problems. Artificial Intelligence, 1985, 25, 65-74.	3.9	450
18	A Metric for Comparing Relational Descriptions. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1985, PAMI-7, 90-94.	9.7	164
19	Arc and path consistency revisited. Artificial Intelligence, 1986, 28, 225-233.	3.9	443

#	ARTICLE	IF	CITATIONS
20	Multiconstraint shape analysis. Image and Vision Computing, 1986, 4, 84-96.	2.7	9
21	Localizing Overlapping Parts by Searching the Interpretation Tree. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1987, PAMI-9, 469-482.	9.7	387
22	Parallel consistent labeling algorithms. International Journal of Parallel Programming, 1987, 16, 341-364.	1.1	44
24	Network-based heuristics for constraint-satisfaction problems. Artificial Intelligence, 1987, 34, 1-38.	3.9	435
25	Comments on Mohr and Henderson's path consistency algorithm. Artificial Intelligence, 1988, 36, 125-130.	3.9	73
26	Comments on Samal and Henderson: ?Parallel consistent labeling algorithms?. International Journal of Parallel Programming, 1988, 17, 523-528.	1.1	8
27	Timetabling through a deductive database: A case study. Data and Knowledge Engineering, 1988, 3, 1-27.	2.1	20
28	A selected artificial intelligence bibliography for operations researchers. Annals of Operations Research, 1988, 12, 1-50.	2.6	9
29	The Combinatorics Of Object Recognition In Cluttered Environments Using Constrained Search. , 0, , .		21
30	Parallel split-level relaxation. , 0, , .		0
31	A dynamic constraint-directed ordered search algorithm for solving constraint satisfaction problems. , 1988, , .		6
32	Constraint satisfaction problems in logic programming. ACM SIGART Bulletin, 1988, , 24-28.	0.5	6
34	A logic language for combinatorial optimization. Annals of Operations Research, 1989, 21, 247-273.	2.6	17
35	An optimal k-consistency algorithm. Artificial Intelligence, 1989, 41, 89-95.	3.9	105
36	Relaxation and neural learning: Points of convergence and divergence. Journal of Parallel and Distributed Computing, 1989, 6, 217-244.	2.7	24
37	On the recognition of parameterized 2D objects. International Journal of Computer Vision, 1989, 2, 353-372.	10.9	41
38	Constraint satisfaction algorithms. Computational Intelligence, 1989, 5, 188-224.	2.1	142
39	Tree clustering for constraint networks. Artificial Intelligence, 1989, 38, 353-366.	3.9	368

#	ARTICLE	IF	CITATIONS
40	On the recognition of curved objects. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1989, 11, 632-643.	9.7	57
41	A filtering process for general constraint-satisfaction problems: achieving pairwise-consistency using an associated binary representation. , 0, , .		28
42	Constraint Satisfaction Problems: An Overview. AI Communications, 1989, 2, 3-17.	0.8	89
43	Structural disambiguation with constraint propagation. , 1990, , .		53
44	Exact and approximate reasoning about temporal relations. Computational Intelligence, 1990, 6, 132-144.	2.1	160
45	Fuzzy reasoning in a multidimensional space of hypotheses. International Journal of Approximate Reasoning, 1990, 4, 47-68.	1.9	16
46	Interactive scheduling as a constraint satisfiability problem. Annals of Mathematics and Artificial Intelligence, 1990, 1, 49-73.	0.9	6
47	Enhancement schemes for constraint processing: Backjumping, learning, and cutset decomposition. Artificial Intelligence, 1990, 41, 273-312.	3.9	311
48	The combinatorics of object recognition in cluttered environments using constrained search. Artificial Intelligence, 1990, 44, 121-165.	3.9	107
49	Decomposing a relation into a tree of binary relations. Journal of Computer and System Sciences, 1990, 41, 2-24.	0.9	23
50	Dependency Analyzer. , 1990, , .		5
51	Using constraints to achieve stability in automatic graph layout algorithms. , 1990, , .		44
52	Analysis of three algorithms for finding all consistent labelings. , 0, , .		1
53	The effect of indexing on the complexity of object recognition. , 0, , .		12
54	Representation selection for constraint satisfaction: a case study using n-queens. IEEE Intelligent Systems, 1990, 5, 16-23.	1.1	46
55	Spike: AI scheduling for NASA's Hubble Space Telescope. , 0, , .		23
56	An optimal lookahead processor to prune search space. , 0, , .		4
57	A constraint sequent calculus. , 0, , .		9

#	ARTICLE	IF	CITATIONS
58	Constraint propagation neural networks for Huffman-Clowes scene labeling. , 0, , .		3
59	A novel approach to protocol test sequence generation. , 0, , .		13
60	A discrete stochastic neural network algorithm for constraint satisfaction problems. , 1990, , .		55
61	The combinatorics of heuristic search termination for object recognition in cluttered environments. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1991, 13, 920-935.	9.7	57
62	Parallel path-consistency algorithms for constraint satisfaction. , 0, , .		1
63	Improving Han and Lee's path consistency algorithm. , 0, , .		4
64	Parallel and distributed algorithms for finite constraint satisfaction problems. , 0, , .		21
65	Highly parallel consistent labeling algorithm suitable for optoelectronic implementation. Applied Optics, 1991, 30, 185.	2.1	3
66	Representing and Propagating Constraints in Temporal Reasoning. AI Communications, 1991, 4, 145-151.	0.8	5
67	A survey of constraint based scheduling systems using an artificial intelligence approach. Advanced Engineering Informatics, 1991, 6, 58-73.	0.5	44
68	Connectionist networks for constraint satisfaction. Neurocomputing, 1991, 3, 29-49.	3.5	12
69	Temporal query processing with indefinite information. Artificial Intelligence in Medicine, 1991, 3, 325-339.	3.8	47
70	An electromagnetic interaction modeling advisor. IEEE Transactions on Electromagnetic Compatibility, 1991, 33, 241-251.	1.4	12
71	Constraint propagation neural networks for Huffman-Clowes scene labeling. IEEE Transactions on Systems, Man, and Cybernetics, 1991, 21, 1536-1548.	0.9	5
72	Temporal constraint networks. Artificial Intelligence, 1991, 49, 61-95.	3.9	1,208
73	Constraint relaxation may be perfect. Artificial Intelligence, 1991, 48, 143-170.	3.9	67
74	Elastic, maximal matching. Pattern Recognition, 1991, 24, 747-753.	5.1	10
75	Parallel path consistency. International Journal of Parallel Programming, 1991, 20, 453-473.	1.1	6

#	ARTICLE	IF	CITATIONS
76	Identifying reformulations of mechanical parametric design constraints. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 1991, 5, 173-188.	0.7	1
77	Automobile transmission design as a constraint satisfaction problem: modelling the kinematic level. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 1991, 5, 137-171.	0.7	22
78	Qualitative and quantitative time interval constraint networks. , 1991, , .		3
79	Solving n-ary constraint labeling problems using incremental subnetwork consistency. , 0, , .		0
80	Representing and propagating constraints in temporal reasoning. , 0, , .		2
81	Production Scheduling With Qualitative And Quantitative Constraints. , 1992, , .		1
82	Solving Temporal Constraints Satisfaction Problems with an Object-Oriented model. Lecture Notes in Computer Science, 1992, , 401-410.	1.0	1
83	Reduction of constraint networks based on local consistency. , 0, , .		0
84	A novel discrete relaxation architecture. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1992, 14, 857-865.	9.7	20
85	Algebraic approach to spatial reasoning. International Journal of Geographical Information Science, 1992, 6, 177-192.	2.2	65
86	Possibilistic Constraint Satisfaction Problems or "How to handle soft constraints?", 1992, , 268-275.		75
87	STRUCTURE RECOGNITION BY CONNECTIONIST RELAXATION: FORMAL ANALYSIS. Computational Intelligence, 1992, 8, 25-40.	2.1	35
88	Integer programs for logic constraint satisfaction. Theoretical Computer Science, 1992, 97, 105-130.	0.5	11
89	The logic of constraint satisfaction. Artificial Intelligence, 1992, 58, 3-20.	3.9	55
90	Constraint satisfaction using constraint logic programming. Artificial Intelligence, 1992, 58, 113-159.	3.9	114
91	Arc consistency: parallelism and domain dependence. Artificial Intelligence, 1992, 58, 207-235.	3.9	55
92	Structure identification in relational data. Artificial Intelligence, 1992, 58, 237-270.	3.9	111
93	Reasoning about qualitative temporal information. Artificial Intelligence, 1992, 58, 297-326.	3.9	215

#	ARTICLE	IF	CITATIONS
94	A generic arc-consistency algorithm and its specializations. Artificial Intelligence, 1992, 57, 291-321.	3.9	292
95	From local to global consistency. Artificial Intelligence, 1992, 55, 87-107.	3.9	132
96	Effective solution of qualitative interval constraint problems. Artificial Intelligence, 1992, 57, 105-124.	3.9	77
97	Proving unsatisfiability for problems with constant cubic sparsity. Artificial Intelligence, 1992, 57, 125-137.	3.9	4
98	The complexity of constraint satisfaction revisited. Artificial Intelligence, 1993, 59, 57-62.	3.9	38
99	On some partial line graphs of a hypergraph and the associated matroid. Discrete Mathematics, 1993, 111, 333-344.	0.4	2
100	Counting representable sets on simple graphs. Discrete Applied Mathematics, 1993, 47, 33-46.	0.5	1
101	Generalized constraint propagation over the CLP scheme. The Journal of Logic Programming, 1993, 16, 319-359.	1.9	32
102	Reasoning about networks of temporal relations and its applications to problem solving. Applied Intelligence, 1993, 3, 47-70.	3.3	8
103	A constraint-based approach to spatiotemporal reasoning. Applied Intelligence, 1993, 3, 71-90.	3.3	13
104	Uncertainty in constraint satisfaction problems: A probabilistic approach. , 1993, , 97-104.		75
105	A hypergraph model for constraint logic programming and applications to bus drivers' scheduling. Annals of Mathematics and Artificial Intelligence, 1993, 8, 247-270.	0.9	4
106	The calculus of fuzzy restrictions as a basis for flexible constraint satisfaction. , 0, , .		73
107	A general consistency technique for increasing the controllability of high level synthesis tools. , 0, , .		2
108	Application of constraint networks filtering techniques to truth maintenance systems. , 0, , .		0
109	An enhancement scheme for constraint satisfaction problems (CSPs). International Journal of Computer Mathematics, 1993, 47, 177-180.	1.0	1
110	Temporal reasoning in Timegraph II. ACM SIGART Bulletin, 1993, 4, 21-25.	0.5	28
111	A metric time-point and duration-based temporal model. ACM SIGART Bulletin, 1993, 4, 30-49.	0.5	17

#	ARTICLE	IF	CITATIONS
112	A knowledge representation for constraint satisfaction problems. IEEE Transactions on Knowledge and Data Engineering, 1993, 5, 740-752.	4.0	5
113	Cost analysis of logic programs. ACM Transactions on Programming Languages and Systems, 1993, 15, 826-875.	1.7	98
114	CADSYN: A case-based design process model. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 1993, 7, 97-110.	0.7	51
115	Tachyon. ACM SIGART Bulletin, 1993, 4, 1-4.	0.5	5
116	Path consistency in clp(FD). , 1994, , 201-216.		3
117	A substitution operation for constraints. Lecture Notes in Computer Science, 1994, , 1-9.	1.0	5
118	Global consistency for continuous constraints. Lecture Notes in Computer Science, 1994, , 40-50.	1.0	10
119	Learning design concepts using machine learning techniques. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 1994, 8, 95-111.	0.7	9
120	Finite domain constraints in the ML functional language. , 0, , .		0
121	A constraint-based approach for the generation of floor plans. , 0, , .		13
122	Modellbasierte Inferenz in CHARME. OR Spectrum, 1994, 16, 193-202.	2.1	0
123	Decomposing constraint satisfaction problems using database techniques. Artificial Intelligence, 1994, 66, 57-89.	3.9	139
124	Characterising tractable constraints. Artificial Intelligence, 1994, 65, 347-361.	3.9	96
125	Arc-consistency for continuous variables. Artificial Intelligence, 1994, 65, 363-376.	3.9	59
126	Arc-consistency and arc-consistency again. Artificial Intelligence, 1994, 65, 179-190.	3.9	181
127	Experimental evaluation of preprocessing algorithms for constraint satisfaction problems. Artificial Intelligence, 1994, 68, 211-241.	3.9	73
128	Local consistency in parallel constraint satisfaction networks. Artificial Intelligence, 1994, 69, 307-327.	3.9	17
129	Recovering a relation from a decomposition using constraint satisfaction. Information Sciences, 1994, 78, 229-256.	4.0	0

#	ARTICLE	IF	CITATIONS
130	Logic decisions under constraints. Decision Support Systems, 1994, 11, 259-281.	3.5	2
131	Backpropagation networks for logic constraint solving. Neurocomputing, 1994, 6, 67-98.	3.5	3
132	A quantitative solution to Constraint Satisfaction Problem (CSP). New Generation Computing, 1994, 13, 99-115.	2.5	5
133	A fuzzy-based approach to numeric constraint networks. , 0, , .		3
134	A new arc consistency algorithm for CSPs with hierarchical domains. , 0, , .		1
135	Modelling measurement technical problems with constraints. , 0, , .		1
136	Path consistency revisited. , 0, , .		8
137	Modelling with Objects and Constraints: Production Planning in Horticulture. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 161-166.	0.4	0
138	Extensions to constraint dependency parsing for spoken language processing. Computer Speech and Language, 1995, 9, 187-234.	2.9	19
139	Tractable constraints on ordered domains. Artificial Intelligence, 1995, 79, 327-339.	3.9	127
140	Modelling and managing disjunctions in scheduling problems. Journal of Intelligent Manufacturing, 1995, 6, 133-144.	4.4	8
141	Fuzzy constraints in job-shop scheduling. Journal of Intelligent Manufacturing, 1995, 6, 215-234.	4.4	163
142	ON COMPUTING THE MINIMAL LABELS IN TIME POINT ALGEBRA NETWORKS. Computational Intelligence, 1995, 11, 443-448.	2.1	11
143	Real time scheduling under uncertainty. , 0, , .		9
144	MANAGING MULTIPLE KNOWLEDGE SOURCES IN CONSTRAINT-BASED PARSING OF SPOKEN LANGUAGE. Fundamenta Informaticae, 1995, 23, 303-353.	0.3	4
145	An algebraic characterization of tractable constraints. Lecture Notes in Computer Science, 1995, , 633-642.	1.0	12
146	Fuzzy Logic Based Techniques for Partial and Fuzzy Constraint Satisfaction. Intelligent Automation and Soft Computing, 1995, 1, 449-458.	1.6	0
147	Query-answering in fuzzy temporal constraint networks. , 0, , .		8

#	ARTICLE	IF	CITATIONS
148	On the minimality and global consistency of row-convex constraint networks. Journal of the ACM, 1995, 42, 543-561.	1.8	89
149	Constraint programming and database languages. , 1995, , .		22
150	Reasoning about temporal relations. Journal of the ACM, 1995, 42, 43-66.	1.8	291
151	Improving domain filtering using restricted path consistency. , 0, , .		20
152	A new methodology of fuzzy constraint-based controller design via constraint-network processing. IEEE Transactions on Fuzzy Systems, 1996, 4, 166-178.	6.5	6
153	A brief overview of over-constrained systems. Lecture Notes in Computer Science, 1996, , 1-22.	1.0	6
154	Subdefinite models as a variety of constraint programming. , 0, , .		8
155	Networks of qualitative interval relations: combining circuit consistency and path consistency in the search for a solution. , 0, , .		3
156	Incremental algorithms for managing temporal constraints. , 0, , .		10
157	Duality and Polynomial Testing of Tree Homomorphisms. Transactions of the American Mathematical Society, 1996, 348, 1281-1297.	0.5	81
158	Introducing spatio-temporal reasoning into the inverse problem in electroencephalography. Artificial Intelligence in Medicine, 1996, 8, 97-122.	3.8	4
159	Refinements of the maximin approach to decision-making in a fuzzy environment. Fuzzy Sets and Systems, 1996, 81, 103-122.	1.6	124
160	On the hardness of approximate reasoning. Artificial Intelligence, 1996, 82, 273-302.	3.9	340
161	Uncovering trees in constraint networks. Artificial Intelligence, 1996, 86, 245-267.	3.9	3
162	Combining qualitative and quantitative constraints in temporal reasoning. Artificial Intelligence, 1996, 87, 343-385.	3.9	157
163	A computational study of constraint satisfaction for multiple capacitated job shop scheduling. European Journal of Operational Research, 1996, 90, 269-284.	3.5	96
164	The job shop scheduling problem: Conventional and new solution techniques. European Journal of Operational Research, 1996, 93, 1-33.	3.5	458
165	A ĩ-calculus with explicit substitutions. Theoretical Computer Science, 1996, 168, 53-103.	0.5	24

#	ARTICLE	IF	CITATIONS
166	Constraint query algebras. Constraints, 1996, 1, 45-83.	0.4	44
167	Consistency techniques for continuous constraints. Constraints, 1996, 1, 85-118.	0.4	91
168	Practical applications of constraint programming. Constraints, 1996, 1, 139-168.	0.4	135
169	A simple and efficient boolean solver for Constraint Logic Programming. Journal of Automated Reasoning, 1996, 17, 97.	1.1	18
170	Solving Binary CSP Using Computational Systems. Electronic Notes in Theoretical Computer Science, 1996, 4, 246-265.	0.9	10
171	An informal introduction to constraint database systems (extended abstract). Lecture Notes in Computer Science, 1996, , 7-52.	1.0	4
172	A distributed approach to partial constraint satisfaction problems. Lecture Notes in Computer Science, 1996, , 106-122.	1.0	4
174	Semiring-based CSPs and valued CSPs: Basic properties and comparison. Lecture Notes in Computer Science, 1996, , 111-150.	1.0	39
175	Constraint Propagation Based Scheduling of Job Shops. INFORMS Journal on Computing, 1996, 8, 144-157.	1.0	28
176	Constraint tightness and looseness versus local and global consistency. Journal of the ACM, 1997, 44, 549-566.	1.8	35
177	Closure properties of constraints. Journal of the ACM, 1997, 44, 527-548.	1.8	379
178	Interface timing verification with delay correlation using constraint logic programming. , 0, , .		10
179	Constraint networks: a survey. , 0, , .		8
180	Constraint databases: A survey. Lecture Notes in Computer Science, 1997, , 209-246.	1.0	14
181	On-line algorithms for networks of temporal constraints. Lecture Notes in Computer Science, 1997, , 144-156.	1.0	1
182	Tractable disjunctive constraints. Lecture Notes in Computer Science, 1997, , 478-490.	1.0	9
183	Load balancing strategies for parallel forward search algorithm with conflict based backjumping. , 0, , .		4
184	Solving Polynomial Systems Using a Branch and Prune Approach. SIAM Journal on Numerical Analysis, 1997, 34, 797-827.	1.1	198

#	ARTICLE	IF	CITATIONS
185	A parallel algorithm for graph matching and its MasPar implementation. IEEE Transactions on Parallel and Distributed Systems, 1997, 8, 490-501.	4.0	20
187	Semiring-based constraint satisfaction and optimization. Journal of the ACM, 1997, 44, 201-236.	1.8	523
188	Satisfiability of quantitative temporal constraints with multiple granularities. Lecture Notes in Computer Science, 1997, , 435-449.	1.0	6
189	Planning the GMAW process by constraint propagation. Journal of Intelligent Manufacturing, 1997, 8, 477-488.	4.4	4
190	Fast algebraic methods for interval constraint problems. Annals of Mathematics and Artificial Intelligence, 1997, 19, 383-411.	0.9	16
191	Constraint Programming: Strategic Directions. Constraints, 1997, 2, 7-33.	0.4	9
192	Constraint Solving and Programming: What Next?. Constraints, 1997, 2, 87-91.	0.4	2
193	Introduction to the Special Issue on Interval Constraints. Constraints, 1997, 2, 107-112.	0.4	2
194	Bucket Elimination: a Unifying Framework for Processing Hard and Soft Constraints. Constraints, 1997, 2, 51-55.	0.4	17
195	Automatic Generation of Numerical Redundancies for Non-Linear Constraint Solving. Reliable Computing, 1997, 3, 335-344.	0.8	23
196	Helios: A modeling language for global optimization and its implementation in Newton. Theoretical Computer Science, 1997, 173, 3-48.	0.5	8
197	From local to global consistency in temporal constraint networks. Theoretical Computer Science, 1997, 173, 89-112.	0.5	34
198	Solving linear, min and max constraint systems using CLP based on relational interval arithmetic. Theoretical Computer Science, 1997, 173, 253-281.	0.5	15
199	Local and global relational consistency. Theoretical Computer Science, 1997, 173, 283-308.	0.5	72
200	Solving hard qualitative temporal reasoning problems: Evaluating the efficiency of using the ORD-Horn class. Constraints, 1997, 1, 175-190.	0.4	52
201	Fundamental properties of neighbourhood substitution in constraint satisfaction problems. Artificial Intelligence, 1997, 90, 1-24.	3.9	27
202	A theoretical evaluation of selected backtracking algorithms. Artificial Intelligence, 1997, 89, 365-387.	3.9	101
203	Twenty-one large tractable subclasses of Allen's algebra. Artificial Intelligence, 1997, 93, 297-319.	3.9	28

#	ARTICLE	IF	CITATIONS
204	Using OBDDs to handle dynamic constraints. Information Processing Letters, 1997, 62, 111-120.	0.4	10
205	No more "Partial" and "Full Looking Ahead". Artificial Intelligence, 1998, 98, 351-361.	3.9	4
206	Constraints, consistency and closure. Artificial Intelligence, 1998, 101, 251-265.	3.9	162
207	Title is missing!. Constraints, 1998, 3, 151-164.	0.4	17
208	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving. Constraints, 1998, 3, 203-211.	0.4	5
209	A Constraint Satisfaction Approach to a Circuit Design Problem. Journal of Global Optimization, 1998, 13, 75-93.	1.1	29
210	Constraints and universal algebra. Annals of Mathematics and Artificial Intelligence, 1998, 24, 51-67.	0.9	31
211	Towards a closer integration of finite domain propagation and simplex-based algorithms. Annals of Operations Research, 1998, 81, 421-433.	2.6	8
212	A gentle introduction to Numerica. Artificial Intelligence, 1998, 103, 209-235.	3.9	17
213	On the algebraic structure of combinatorial problems. Theoretical Computer Science, 1998, 200, 185-204.	0.5	257
214	Dynamic optimization of interval narrowing algorithms. The Journal of Logic Programming, 1998, 37, 165-183.	1.9	29
215	Constraint programming over nonlinear constraints. Science of Computer Programming, 1998, 30, 83-118.	1.5	42
216	A hierarchy of constraint systems for data-flow analysis of constraint logic-based languages. Science of Computer Programming, 1998, 30, 119-155.	1.5	15
217	An approach by graphs for the recognition of temporal scenarios. IEEE Transactions on Systems, Man, and Cybernetics, 1998, 28, 387-403.	5.5	4
218	Compiling Semiring-based Constraints with clp(FD,S). Lecture Notes in Computer Science, 1998, , 205-219.	1.0	22
219	Conjunctive-query containment and constraint satisfaction. , 1998, , .		110
220	A Graph-Rewriting Paradigm for Discrete Relaxation. International Journal of Pattern Recognition and Artificial Intelligence, 1998, 12, 763-799.	0.7	20
221	Learning solution preferences in constraint problems. Journal of Experimental and Theoretical Artificial Intelligence, 1998, 10, 103-116.	1.8	18

#	ARTICLE	IF	CITATIONS
222	Study of symmetry in qualitative temporal interval networks. Lecture Notes in Computer Science, 1998, , 88-101.	1.0	0
223	Trend detection based on a fuzzy temporal profile model. Advanced Engineering Informatics, 1999, 13, 341-349.	0.5	5
224	Test development for communication protocols: towards automation. Computer Networks, 1999, 31, 1835-1872.	3.2	59
225	Resource-constrained project scheduling: Notation, classification, models, and methods. European Journal of Operational Research, 1999, 112, 3-41.	3.5	1,225
226	Computing improved optimal solutions to max€“min flexible constraint satisfaction problems. European Journal of Operational Research, 1999, 118, 95-126.	3.5	133
227	Constraint satisfaction problems: Algorithms and applications. European Journal of Operational Research, 1999, 119, 557-581.	3.5	272
228	The essence of constraint propagation. Theoretical Computer Science, 1999, 221, 179-210.	0.5	110
229	Compiling constraint satisfaction problems. Artificial Intelligence, 1999, 115, 257-287.	3.9	30
230	Arc consistency revisited. Information Processing Letters, 1999, 70, 175-184.	0.4	5
231	Constraint satisfaction over connected row-convex constraints. Artificial Intelligence, 1999, 109, 243-271.	3.9	27
232	Algorithmic Power from Declarative Use of Redundant Constraints. Constraints, 1999, 4, 363-381.	0.4	18
233	How to Determine the Expressive Power of Constraints. Constraints, 1999, 4, 113-131.	0.4	36
234	Graph Rewriting, Constraint Solving and Tiles for Coordinating Distributed Systems. Applied Categorical Structures, 1999, 7, 333-370.	0.2	18
235	Semiring-Based CSPs and Valued CSPs: Frameworks, Properties, and Comparison. Constraints, 1999, 4, 199-240.	0.4	172
236	On the arc consistency problem. Journal of Computer Science and Technology, 1999, 14, 298-308.	0.9	0
237	Embed finite domain constraint programming into Java and some Web-based applications. Software - Practice and Experience, 1999, 29, 311-339.	2.5	0
238	A methodological approach to implement CSP on FPGA. , 0, , .		3
239	Modelling and applying constraint relations in a product family data model. International Journal of Computer Applications in Technology, 1999, 12, 27.	0.3	3

#	ARTICLE	IF	CITATIONS
240	Comparing constraint programming and mathematical programming approaches to discrete optimisation—the change problem. <i>Journal of the Operational Research Society</i> , 1999, 50, 581-595.	2.1	31
241	Scheduling of FMS: An exact method based on CLP related to a cyclic scheduling approach. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1999, 32, 4858-4863.	0.4	0
242	Hard, flexible and dynamic constraint satisfaction. <i>Knowledge Engineering Review</i> , 1999, 14, 199-220.	2.1	9
243	Temporal reasoning in process planning. <i>Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM</i> , 1999, 13, 91-104.	0.7	1
244	Knowledge-base revision. <i>Knowledge Engineering Review</i> , 2000, 15, 339-370.	2.1	14
245	Conjunctive-Query Containment and Constraint Satisfaction. <i>Journal of Computer and System Sciences</i> , 2000, 61, 302-332.	0.9	214
246	A System for Evaluating Performance and Cost of SIMD Array Designs. <i>Journal of Parallel and Distributed Computing</i> , 2000, 60, 217-246.	2.7	23
247	Backtracking algorithms for disjunctions of temporal constraints. <i>Artificial Intelligence</i> , 2000, 120, 81-117.	3.9	93
248	Constraint propagation techniques for the disjunctive scheduling problem. <i>Artificial Intelligence</i> , 2000, 122, 189-240.	3.9	58
249	A new approach to cyclic ordering of 2D orientations using ternary relation algebras. <i>Artificial Intelligence</i> , 2000, 122, 137-187.	3.9	56
250	Decomposable constraints—Supported by EPSRC award GR/L/24014. The authors wish to thank other members of the APES research group.. <i>Artificial Intelligence</i> , 2000, 123, 133-156.	3.9	13
251	Constraints, Adjunctions and (Co)algebras. <i>Electronic Notes in Theoretical Computer Science</i> , 2000, 33, 3-12.	0.9	1
252	Introduction to the constraint language NCL. <i>The Journal of Logic Programming</i> , 2000, 45, 71-103.	1.9	11
253	On the relations between SAT and CSP enumerative algorithms. <i>Discrete Applied Mathematics</i> , 2000, 107, 27-40.	0.5	3
254	Toward interactive scheduling systems for managing medical resources. <i>Artificial Intelligence in Medicine</i> , 2000, 20, 113-138.	3.8	23
255	Interactive Case-Based Planning for Forest Fire Management. <i>Applied Intelligence</i> , 2000, 13, 41-57.	3.3	31
256	Representation and Reasoning with Multi-Point Events. <i>Constraints</i> , 2000, 5, 211-249.	0.4	4
257	Temporal representation and reasoning in artificial intelligence: Issues and approaches. <i>Annals of Mathematics and Artificial Intelligence</i> , 2000, 28, 47-106.	0.9	60

#	ARTICLE	IF	CITATIONS
258	Constraint Satisfaction Methods for Applications in Engineering. Engineering With Computers, 2000, 16, 81-95.	3.5	9
259	Constraint (Logic) Programming: A Survey on Research and Applications. Lecture Notes in Computer Science, 2000, , 40-74.	1.0	11
260	Building tractable disjunctive constraints. Journal of the ACM, 2000, 47, 826-853.	1.8	53
261	The role of commutativity in constraint propagation algorithms. ACM Transactions on Programming Languages and Systems, 2000, 22, 1002-1036.	1.7	14
262	Efficient computation of enabled transition bindings in high-level Petri nets. , 0, , .		2
263	Automated reasoning on monotonic constraints. , 0, , .		0
264	Dynamic variable ordering in graph based backjumping algorithms for csps. International Journal of Computer Mathematics, 2000, 75, 167-186.	1.0	0
265	Reasoning about numeric and symbolic time information. , 0, , .		2
266	About the use of local consistency in solving CSPs. , 0, , .		3
267	New hybrid method for solving constraint optimization problems in anytime contexts. , 0, , .		2
268	A fuzzy model for the representation and recognition of linguistically described trends. Intelligent Data Analysis, 2001, 5, 503-529.	0.4	2
269	Dynamic algorithms for classes of constraint satisfaction problems. Theoretical Computer Science, 2001, 259, 287-305.	0.5	3
270	From binary temporal relations to non-binary ones and back. Parts of this paper have been published in [36] and in [39]. Artificial Intelligence, 2001, 128, 1-29.	3.9	10
271	Solution Techniques for Constraint Satisfaction Problems: Foundations. Artificial Intelligence Review, 2001, 15, 243-267.	9.7	14
272	SHARED MEMORY IMPLEMENTATION OF CONSTRAINT SATISFACTION PROBLEM RESOLUTION. Parallel Processing Letters, 2001, 11, 487-501.	0.4	5
273	The complexity of maximal constraint languages. , 2001, , .		49
274	Natural Law, Theology, and Morality in Locke. American Journal of Political Science, 2001, 45, 396.	2.9	89
275	Solving the cyclic job shop scheduling problem with linear precedence constraints using CP techniques. , 0, , .		1

#	ARTICLE	IF	CITATIONS
276	Constraint and Integer Programming in OPL. INFORMS Journal on Computing, 2002, 14, 345-372.	1.0	57
277	Constraint Logic Programming. Lecture Notes in Computer Science, 2002, , 512-532.	1.0	9
278	Tractability Results in the Block Algebra. Journal of Logic and Computation, 2002, 12, 885-909.	0.5	28
279	A dichotomy theorem for constraints on a three-element set. , 0, , .		73
280	A constraint-programming formulation for dynamic airspace sectorization. , 0, , .		3
281	A Fuzzy Model for Pattern Recognition in the Evolution of Patients. Studies in Fuzziness and Soft Computing, 2002, , 236-258.	0.6	2
282	Analytical models for CSP problems. , 0, , .		0
283	Reasoning with disjunctive fuzzy temporal constraint networks. , 0, , .		10
284	Solving multi-granularity temporal constraint networks. Artificial Intelligence, 2002, 140, 107-152.	3.9	48
285	On point-duration networks for temporal reasoning. Artificial Intelligence, 2002, 140, 39-70.	3.9	13
286	Backjump-based backtracking for constraint satisfaction problems. Artificial Intelligence, 2002, 136, 147-188.	3.9	77
287	Constraint Programming Based Column Generation for Crew Assignment. Journal of Heuristics, 2002, 8, 59-81.	1.1	80
288	A Constraint-Based Method for Project Scheduling with Time Windows. Journal of Heuristics, 2002, 8, 109-136.	1.1	132
289	Spatial Reasoning About Points in a Multidimensional Setting. Applied Intelligence, 2002, 17, 221-238.	3.3	12
290	A Path-Consistent Singleton Modeling (CSM) Algorithm for Arc-Constrained Networks. Applied Intelligence, 2002, 17, 313-318.	3.3	2
291	New Tractable Classes From Old. Constraints, 2003, 8, 263-282.	0.4	2
292	Temporal Reasoning for a Collaborative Planning Agent in a Dynamic Environment. Annals of Mathematics and Artificial Intelligence, 2003, 37, 331-379.	0.9	5
293	Solving Mixed and Conditional Constraint Satisfaction Problems. Constraints, 2003, 8, 107-141.	0.4	41

#	ARTICLE	IF	CITATIONS
294	Temporal scenario modelling and recognition based on possibilistic logic. Artificial Intelligence, 2003, 148, 261-289.	3.9	5
295	Fuzzy constraint networks for signal pattern recognition. Artificial Intelligence, 2003, 148, 103-140.	3.9	23
296	On-line algorithms for networks of temporal constraints. Journal of Discrete Algorithms, 2003, 1, 303-312.	0.7	0
297	Functions of multiple-valued logic and the complexity of constraint satisfaction: a short survey. , 0, , .		5
298	A new efficient algorithm for solving the simple temporal problem. , 0, , .		17
299	Towards a dichotomy theorem for the counting constraint satisfaction problem. , 0, , .		16
300	A new distributed approach to solve meeting scheduling problems. , 0, , .		1
301	Comet in context. , 2003, , .		8
302	Tractable conservative constraint satisfaction problems. , 0, , .		97
304	Constraint Satisfaction Differential Problems. Lecture Notes in Computer Science, 2003, , 259-273.	1.0	10
305	Algorithmic aspects of graph homomorphisms. , 2003, , 239-276.		18
306	Constraint propagation algorithms. , 2003, , 254-298.		1
307	Modeling and detecting the cascade vulnerability problem using soft constraints. , 2004, , .		8
308	A decomposition-based implementation of search strategies. ACM Transactions on Computational Logic, 2004, 5, 351-383.	0.7	13
309	Solving conditional and composite temporal constraints. , 0, , .		1
310	Selecting ghosts and queues from a car trackers output using a spatio-temporal query language. , 0, , .		0
312	A General Qualitative Framework for Temporal and Spatial Reasoning. Constraints, 2004, 9, 99-121.	0.4	3
313	Implementing a Test for Tractability. Constraints, 2004, 9, 139-160.	0.4	8

#	ARTICLE	IF	CITATIONS
314	Tractable Decision for a Constraint Language Implies Tractable Search. <i>Constraints</i> , 2004, 9, 219-229.	0.4	16
315	Constraint Reasoning with Differential Equations. <i>Applied Numerical Analysis and Computational Mathematics</i> , 2004, 1, 140-154.	0.6	5
316	Recognizing frozen variables in constraint satisfaction problems. <i>Theoretical Computer Science</i> , 2004, 329, 93-113.	0.5	11
317	A graph of a relational structure and constraint satisfaction problems. , 2004, , .		28
319	Semantic Web Services Discovery Regarded as a Constraint Satisfaction Problem. <i>Lecture Notes in Computer Science</i> , 2004, , 282-294.	1.0	2
320	Compaction, Retraction, and Constraint Satisfaction. <i>SIAM Journal on Computing</i> , 2004, 33, 761-782.	0.8	23
321	Constraint Satisfaction Problems on Intervals and Lengths. <i>SIAM Journal on Discrete Mathematics</i> , 2004, 17, 453-477.	0.4	22
322	Confidentiality Levels and Deliberate/Indeliberate Protocol Attacks. <i>Lecture Notes in Computer Science</i> , 2004, , 104-119.	1.0	8
323	Towards an Approach Gathering Product and Process Configuration as a Constraint Satisfaction Problem. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004, 37, 51-56.	0.4	1
324	Time in Qualitative Simulation. <i>Foundations of Artificial Intelligence</i> , 2005, , 655-664.	0.9	2
325	Using Finite Domains in Constraint Satisfaction Problem. , 2004, , 351-354.		1
326	Decomposition techniques for parallel resolution of constraint satisfaction problems in shared memory: a comparative study. <i>International Journal of Computational Science and Engineering</i> , 2005, 1, 192.	0.4	11
327	Ultimately periodic qualitative constraint networks for spatial and temporal reasoning. , 2005, , .		3
328	Early Verification of Computer Systems Temporal Properties. <i>Electronic Notes in Theoretical Computer Science</i> , 2005, 130, 211-233.	0.9	0
329	Decidability of infinite-state timed CCP processes and first-order LTL. <i>Theoretical Computer Science</i> , 2005, 330, 577-607.	0.5	13
330	Introduction: Special Issue on Distributed Constraint Satisfaction. <i>Artificial Intelligence</i> , 2005, 161, 1-5.	3.9	42
331	Incremental qualitative temporal reasoning: Algorithms for the Point Algebra and the ORD-Horn class. <i>Artificial Intelligence</i> , 2005, 166, 37-80.	3.9	20
332	Temporal reasoning for decision support in medicine. <i>Artificial Intelligence in Medicine</i> , 2005, 33, 1-24.	3.8	97

#	ARTICLE	IF	CITATIONS
333	Constraint reasoning in deep biomedical models. Artificial Intelligence in Medicine, 2005, 34, 77-88.	3.8	12
334	Relation Algebras and their Application in Temporal and Spatial Reasoning. Artificial Intelligence Review, 2005, 23, 315-357.	9.7	53
335	Amalgams of clones. Algebra and Logic, 2005, 44, 55-64.	0.4	0
336	A new tractable class of constraint satisfaction problems. Annals of Mathematics and Artificial Intelligence, 2005, 44, 61-85.	0.9	18
337	The Finest of its Class: The Natural Point-Based Ternary Calculus \mathcal{LR} for Qualitative Spatial Reasoning. Lecture Notes in Computer Science, 2005, , 283-303.	1.0	22
338	Dealing with incomplete knowledge on CLP(FD) variable domains. ACM Transactions on Programming Languages and Systems, 2005, 27, 236-263.	1.7	7
339	Controlled propagation in continuous numerical constraint networks. , 2005, , .		7
340	Performing more than AC for Hard Distributed Constraint Satisfaction Problems. , 0, , .		0
341	Improving Lotos simulation using constraint propagation. , 2005, , .		0
342	Efficient and Safe Global Constraints for Handling Numerical Constraint Systems. SIAM Journal on Numerical Analysis, 2005, 42, 2076-2097.	1.1	39
343	A new temporal CSP framework handling composite variables and activity constraints. , 2005, , .		6
344	Classifying the Complexity of Constraints Using Finite Algebras. SIAM Journal on Computing, 2005, 34, 720-742.	0.8	407
345	Service mining for composite web services. , 0, , .		10
346	A Generic Toolkit for n-ary Qualitative Temporal and Spatial Calculi. , 2006, , .		17
347	Full Constraint Satisfaction Problems. SIAM Journal on Computing, 2006, 36, 230-246.	0.8	28
348	The complexity of soft constraint satisfaction. Artificial Intelligence, 2006, 170, 983-1016.	3.9	96
349	An Algorithm for a Constraint Optimization Problem in Mobile Ad-hoc Networks. , 2006, , .		27
351	Bounds of graph parameters for global constraints. RAIRO - Operations Research, 2006, 40, 327-353.	1.0	1

#	ARTICLE	IF	CITATIONS
352	Constraint Satisfaction: An Emerging Paradigm. Foundations of Artificial Intelligence, 2006, , 13-27.	0.9	39
353	Constraint Propagation. Foundations of Artificial Intelligence, 2006, 2, 29-83.	0.9	123
354	Continuous and Interval Constraints. Foundations of Artificial Intelligence, 2006, , 571-603.	0.9	74
355	The Complexity of Constraint Languages. Foundations of Artificial Intelligence, 2006, , 245-280.	0.9	35
356	The algebra $\langle \text{mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x$	3.9	61
357	Combinatorial problems raised from 2-semilattices. Journal of Algebra, 2006, 298, 321-339.	0.4	40
358	On Topological Consistency and Realization. Constraints, 2006, 11, 31-51.	0.4	28
359	Predicting and Detecting Symmetries in FOL Finite Model Search. Journal of Automated Reasoning, 2006, 36, 177-212.	1.1	3
360	Meetings scheduling solver enhancement with local consistency reinforcement. Applied Intelligence, 2006, 24, 143-154.	3.3	9
361	A hybrid setup for a hybrid scenario: combining heuristics for the home health care problem. Computers and Operations Research, 2006, 33, 2866-2890.	2.4	248
362	IPSS: A Hybrid Approach to Planning and Scheduling Integration. IEEE Transactions on Knowledge and Data Engineering, 2006, 18, 1681-1695.	4.0	11
363	A dichotomy theorem for constraint satisfaction problems on a 3-element set. Journal of the ACM, 2006, 53, 66-120.	1.8	266
364	Backtracking Search Algorithms. Foundations of Artificial Intelligence, 2006, , 85-134.	0.9	62
365	Propositional Satisfiability and Constraint Programming. ACM Computing Surveys, 2006, 38, 12.	16.1	68
366	The QAT: A Qualitative Algebra Toolkit. , 0, , .		2
367	Modeling and optimization of the capacity allocation problem with constraints. , 2006, , .		11
368	About Look-Ahead Algorithms in Constraint Satisfaction Problems. , 0, , .		0
369	Evaluation and design: a knowledge-based approach. International Journal of Computer Integrated Manufacturing, 2007, 20, 639-653.	2.9	10

#	ARTICLE	IF	CITATIONS
370	Robust Classification of Dialog Acts from the Transcription of Utterances. , 2007, , .		0
371	Semantic clustering of information systems' users with stochastic techniques. , 2007, , .		8
372	A constraint programming model for real-time train scheduling at junctions. Transportation Research Part B: Methodological, 2007, 41, 231-245.	2.8	127
373	A Linear Programming Approach to Max-Sum Problem: A Review. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1165-1179.	9.7	215
374	Scheduling in Job Shops. , 2007, , 345-396.		0
375	Constraint Programming and Disjunctive Scheduling. , 2007, , 477-538.		0
376	Computer Integrated Production Scheduling. , 2007, , 583-630.		0
377	Coordination based Multiple Criteria Decision Making. Journal of Decision Systems, 2007, 16, 37-56.	2.2	3
378	Constraint-Based Policy Negotiation and Enforcement for Telco Services. , 2007, , .		4
380	An agent-based approach to solve dynamic meeting scheduling problems with preferences. Engineering Applications of Artificial Intelligence, 2007, 20, 857-873.	4.3	27
381	Partition search for non-binary constraint satisfaction. Information Sciences, 2007, 177, 3639-3678.	4.0	43
382	The TV-Break Packing Problem. European Journal of Operational Research, 2007, 176, 1371-1386.	3.5	10
383	Towards a dichotomy theorem for the counting constraint satisfaction problem. Information and Computation, 2007, 205, 651-678.	0.5	72
384	Configuration for mass customization: how to extend product configuration towards requirements and process configuration. Journal of Intelligent Manufacturing, 2008, 19, 521-535.	4.4	83
385	Using constraint satisfaction for designing mechanical systems. International Journal on Interactive Design and Manufacturing, 2008, 2, 161-167.	1.3	18
386	Theoretical analysis of singleton arc consistency and its extensions. Artificial Intelligence, 2008, 172, 29-41.	3.9	33
387	A survey of constraint-based programming paradigms. Computer Science Review, 2008, 2, 137-141.	10.2	11
388	Colouring, constraint satisfaction, and complexity. Computer Science Review, 2008, 2, 143-163.	10.2	62

#	ARTICLE	IF	CITATIONS
389	Soft constraint abstraction based on semiring homomorphism. Theoretical Computer Science, 2008, 403, 192-201.	0.5	7
390	The expressive power of valued constraints: Hierarchies and collapses. Theoretical Computer Science, 2008, 409, 137-153.	0.5	9
391	Domain permutation reduction for constraint satisfaction problems. Artificial Intelligence, 2008, 172, 1094-1118.	3.9	17
392	Properties of tree convex constraints. Artificial Intelligence, 2008, 172, 1605-1612.	3.9	8
393	Qualitative spatial reasoning about relative point position. Journal of Visual Languages and Computing, 2008, 19, 75-98.	1.8	46
394	Graphs, polymorphisms and the complexity of homomorphism problems. , 2008, , .		13
395	Managing uncertain temporal relations using a probabilistic Interval Algebra. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	8
396	Chapter 4 Constraint Programming. Foundations of Artificial Intelligence, 2008, 3, 181-211.	0.9	35
397	Vers un cadre permettant de faire interagir concepteurs de produit et gestionnaires de projet.. Logistique & Management, 2008, 16, 47-56.	0.3	0
398	Project scheduling under resource constraints: Application of the cumulative global constraint. , 2009, , .		3
399	Optimization of mechanical system: Contribution of constraint satisfaction method. , 2009, , .		12
400	Tricolorable torus knots are NP-complete. , 2009, , .		2
401	The SAT \leftrightarrow UNSAT transition for random constraint satisfaction problems. Discrete Mathematics, 2009, 309, 2085-2099.	0.4	12
402	Interval propagation and search on directed acyclic graphs for numerical constraint solving. Journal of Global Optimization, 2009, 45, 499-531.	1.1	18
403	Assessing the compliance of a product with an eco-label: From standards to constraints. International Journal of Production Economics, 2009, 121, 21-38.	5.1	57
404	Affine systems of equations and counting infinitary logic. Theoretical Computer Science, 2009, 410, 1666-1683.	0.5	45
405	Local consistency for extended CSPs. Theoretical Computer Science, 2009, 410, 4769-4783.	0.5	2
406	Computing leximin-optimal solutions in constraint networks. Artificial Intelligence, 2009, 173, 343-364.	3.9	30

#	ARTICLE	IF	CITATIONS
407	Solving connected row convex constraints by variable elimination. <i>Artificial Intelligence</i> , 2009, 173, 1204-1219.	3.9	8
408	A CSP approach for the network of product lifecycle constraints consistency in a collaborative design context. <i>Engineering Applications of Artificial Intelligence</i> , 2009, 22, 961-970.	4.3	33
409	A note on some collapse results of valued constraints. <i>Information Processing Letters</i> , 2009, 109, 534-538.	0.4	4
411	The CSP Dichotomy Holds for Digraphs with No Sources and No Sinks (A Positive Answer to a Tj ETQq1 1 0.784314 rgBT /Overlock 101122)	0.8	122
413	AN EFFICIENT LOTOS-BASED FRAMEWORK FOR DESCRIBING AND SOLVING (TEMPORAL) CSPs. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2009, 19, 765-789.	0.6	1
414	Consistency Constraint Allocation in Augmented Lagrangian Coordination. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2010, 132, .	1.7	9
415	A Constraint-Based Approach to the Composition Relation Management of a Product Class in Design. <i>Journal of Computing and Information Science in Engineering</i> , 2010, 10, .	1.7	4
416	VASA: An algebra for vague spatial data in databases. <i>Information Systems</i> , 2010, 35, 111-138.	2.4	28
417	Classes of submodular constraints expressible by graph cuts. <i>Constraints</i> , 2010, 15, 430-452.	0.4	13
418	Dualities and Dual Pairs in Heyting Algebras. <i>Order</i> , 2010, 27, 327-342.	0.3	3
419	A combinatorial constraint satisfaction problem dichotomy classification conjecture. <i>European Journal of Combinatorics</i> , 2010, 31, 280-296.	0.5	13
420	Solving Distributed CSPs Probabilistically. <i>Fundamenta Informaticae</i> , 2010, 105, 57-78.	0.3	4
421	A Constraint Based Decision Support System for Deadlocks Resolution in Collaborative New Product Design. <i>Journal of Decision Systems</i> , 2010, 19, 57-74.	2.2	2
422	Mapping the performance of heuristics for Constraint Satisfaction. , 2010, , .		19
423	Constraint satisfaction problems and global cardinality constraints. <i>Communications of the ACM</i> , 2010, 53, 99-106.	3.3	9
424	Relational consistency by constraint filtering. , 2010, , .		0
425	The complexity of rooted phylogeny problems. , 2010, , .		2
426	Unordered Tree Matching and Strict Unordered Tree Matching: The Evaluation of Tree Pattern Queries. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
427	Congruence Distributivity Implies Bounded Width. SIAM Journal on Computing, 2010, 39, 1531-1542.	0.8	12
428	Revisiting the Linear Programming Relaxation Approach to Gibbs Energy Minimization and Weighted Constraint Satisfaction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 1474-1488.	9.7	34
429	Qualitative Spatial Reasoning for Topological Map Learning. Spatial Cognition and Computation, 2010, 10, 207-246.	0.6	18
430	Abstract Domains for Constraint Programming, with the Example of Octagons. , 2010, , .		5
431	DDCSP: Constraint Satisfaction Problem Used for Rule-Based System. , 2010, , .		1
432	Scheduling a Single Robot in a Job-Shop Environment through Precedence Constraint Posting. Lecture Notes in Computer Science, 2011, , 216-225.	1.0	2
433	Neural Networks to Guide the Selection of Heuristics within Constraint Satisfaction Problems. Lecture Notes in Computer Science, 2011, , 250-259.	1.0	3
436	A condensed semantics for qualitative spatial reasoning about oriented straight line segments. Artificial Intelligence, 2011, 175, 2099-2127.	3.9	20
437	Project scheduling under resource constraints: Application of the cumulative global constraint in a decision support framework. Computers and Industrial Engineering, 2011, 61, 357-363.	3.4	17
438	New algorithms for max restricted path consistency. Constraints, 2011, 16, 372-406.	0.4	18
439	Solving job shop scheduling with setup times through constraint-based iterative sampling: an experimental analysis. Annals of Mathematics and Artificial Intelligence, 2011, 62, 371-402.	0.9	7
440	Avian influenza: Temporal modeling of a human to human transmission case. Expert Systems With Applications, 2011, 38, 8865-8885.	4.4	3
441	Computing the minimal relations in point-based qualitative temporal reasoning through metagraph closure. Artificial Intelligence, 2011, 175, 556-585.	3.9	5
442	The sheaf-theoretic structure of non-locality and contextuality. New Journal of Physics, 2011, 13, 113036.	1.2	309
443	On the idea of evolving decision matrix hyper-heuristics for solving constraint satisfaction problems. , 2011, , .		1
444	Evolution of neural networks topologies and learning parameters to produce hyper-heuristics for constraint satisfaction problems. , 2011, , .		3
445	Complexity of conservative constraint satisfaction problems. ACM Transactions on Computational Logic, 2011, 12, 1-66.	0.7	96
446	Toward a CSP-Based Approach for Energy Management in Rovers. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
447	Research on Model and Algorithm of Islanding Based on CSP Considering DG. Advanced Materials Research, 2011, 354-355, 890-895.	0.3	0
448	Optimization of a passive structure for active vibration isolation: an interval-computation- and constraint-propagation-based approach. Engineering Optimization, 2012, 44, 1463-1489.	1.5	10
449	Soft constraints for KnowLang. , 2012, , .		1
450	Towards multi-core expert system. , 2012, , .		0
451	A hierarchy-based constraint dependency grammar parsing for Chinese. , 2012, , .		1
452	Chinese parsing model based on Constraint Dependency Grammar. , 2012, , .		1
453	A non-linear set-membership approach for the control of Discrete Event Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 73-78.	0.4	3
454	Hypergraph Models for System of Systems Supervision Design. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 1005-1012.	3.4	30
455	Managing system configuration through constraint propagation in function and value analyses of product families. Journal of Engineering Design, 2012, 23, 361-377.	1.1	1
456	Counting Predicates, Subset Surjective Functions, and Counting CSPs. , 2012, , .		2
457	The Power of Linear Programming for Valued CSPs. , 2012, , .		39
458	Effectiveness of an interval computation approach to the dynamic simulation of a MacPherson Suspension system. , 2012, , .		2
459	Near Unanimity Constraints Have Bounded Pathwidth Duality. , 2012, , .		12
460	The complexity of approximating bounded-degree Boolean #CSP. Information and Computation, 2012, 220-221, 1-14.	0.5	8
461	On minimal constraint networks. Artificial Intelligence, 2012, 191-192, 42-60.	3.9	21
462	Self-control of the time complexity of a constraint satisfaction problem solver program. Journal of Systems and Software, 2012, 85, 2697-2706.	3.3	2
463	How to Minimize the Energy Consumption in Mobile Ad-Hoc Networks. International Journal of Artificial Intelligence & Applications, 2012, 3, 1-10.	0.3	12
464	Towards 40 years of constraint reasoning. Progress in Artificial Intelligence, 2012, 1, 25-43.	1.5	3

#	ARTICLE	IF	CITATIONS
465	Floor plan design using block algebra and constraint satisfaction. <i>Advanced Engineering Informatics</i> , 2012, 26, 361-382.	4.0	19
466	A REVIEW OF TREE CONVEX SETS TEST. <i>Computational Intelligence</i> , 2012, 28, 358-372.	2.1	22
467	Dealing with Satisfiability and n-ary CSPs in a Logical Framework. <i>Journal of Automated Reasoning</i> , 2012, 48, 391-417.	1.1	2
468	Distributed backtracking algorithm based on tree decomposition over wireless sensor networks. <i>Concurrency Computation Practice and Experience</i> , 2013, 25, 728-742.	1.4	13
469	Variable-Centered Consistency in Model RB. <i>Minds and Machines</i> , 2013, 23, 95-103.	2.7	2
470	Multi-site scheduling under production and transportation constraints. <i>International Journal of Computer Integrated Manufacturing</i> , 2013, 26, 252-266.	2.9	15
471	Group planning with time constraints. <i>Annals of Mathematics and Artificial Intelligence</i> , 2013, 69, 243-291.	0.9	14
472	Mining User Queries with Markov Chains: Application to Online Image Retrieval. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2013, 25, 433-447.	4.0	7
473	MASON: Mobile autonomic security for network access controls. <i>Journal of Information Security and Applications</i> , 2013, 18, 14-29.	1.8	11
474	Learning vector quantization for variable ordering in constraint satisfaction problems. <i>Pattern Recognition Letters</i> , 2013, 34, 423-432.	2.6	26
475	A constraint propagation approach to structural model based image segmentation and recognition. <i>Information Sciences</i> , 2013, 246, 1-27.	4.0	29
476	Benefits and limits of a Constraint Satisfaction Problem/Life Cycle Assessment approach for the ecodesign of complex systems: a case applied to a hybrid passenger ferry. <i>Journal of Cleaner Production</i> , 2013, 42, 1-18.	4.6	31
477	Models and emerging trends of concurrent constraint programming. <i>Constraints</i> , 2013, 18, 535-578.	0.4	36
478	Efficient Energy Management for Autonomous Control in Rover Missions. <i>IEEE Computational Intelligence Magazine</i> , 2013, 8, 12-24.	3.4	8
479	On the meaning of statements in psychophysics characterizing conditional indeterminacy of percepts. <i>Philosophical Psychology</i> , 2013, 26, 234-262.	0.5	0
480	On Finding Approximate Solutions of Qualitative Constraint Networks. , 2013, , .		0
481	A new order relation on fuzzy soft sets and its application. <i>Soft Computing</i> , 2013, 17, 63-70.	2.1	24
483	Qualitative constraint satisfaction problems: An extended framework with landmarks. <i>Artificial Intelligence</i> , 2013, 201, 32-58.	3.9	18

#	ARTICLE	IF	CITATIONS
484	Constraint based approach for the steady-state simulation of complex systems: Application to ship control. <i>Engineering Applications of Artificial Intelligence</i> , 2013, 26, 499-514.	4.3	4
486	Configuration of high performance apartment buildings renovation: A constraint based approach. , 2013, , .		12
487	The complexity of finite-valued CSPs. , 2013, , .		26
488	Set-based design by simulation of usage scenario coverage. <i>Journal of Engineering Design</i> , 2013, 24, 575-603.	1.1	39
489	Timeâ€‘dependent Simple Temporal Networks: Properties and Algorithms. <i>RAIRO - Operations Research</i> , 2013, 47, 173-198.	1.0	13
490	Reasoning with Probabilistic and Deterministic Graphical Models: Exact Algorithms. <i>Synthesis Lectures on Artificial Intelligence and Machine Learning</i> , 2013, 7, 1-191.	0.6	29
491	CSP approach and interval computation for the coupling between static and dynamic requirements in the preliminary design of a compression spring. <i>European Journal of Computational Mechanics</i> , 2013, 22, 183-197.	0.6	2
492	Hidden Tractable Classes: From Theory to Practice. , 2014, , .		10
493	Case-based reasoning and system design: An integrated approach based on ontology and preference modeling. <i>Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM</i> , 2014, 28, 49-69.	0.7	15
494	Preventing design conflicts in distributed design systems composed of heterogeneous agents. <i>Engineering Applications of Artificial Intelligence</i> , 2014, 28, 142-154.	4.3	6
495	Using UML and OCL for representing multiobjective combinatorial optimization problems. <i>Journal of Intelligent Manufacturing</i> , 2014, 25, 555-569.	4.4	3
496	Stereo, Shading, and Surfaces: Curvature Constraints Couple Neural Computations. <i>Proceedings of the IEEE</i> , 2014, 102, 812-829.	16.4	7
497	A branch and prune algorithm for the computation of generalized aspects of parallel robots. <i>Artificial Intelligence</i> , 2014, 211, 34-50.	3.9	24
498	Resolving Design Conflicts and Evaluating Solidarity in Distributed Design. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2014, 44, 1044-1055.	5.9	15
499	Systemic optimization of an active vibration micro-isolator: An interval computation and constraint propagation based approach. , 2014, , .		0
500	How to Improve Environmental Performance by Negotiating Functional Specifications of Complex System?. <i>Procedia CIRP</i> , 2014, 15, 449-454.	1.0	1
501	A constraint programming primer. <i>EURO Journal on Computational Optimization</i> , 2014, 2, 89-97.	1.5	4
502	Managing design change order in a PLM platform using a CSP approach. <i>International Journal on Interactive Design and Manufacturing</i> , 2014, 8, 151-158.	1.3	4

#	ARTICLE	IF	CITATIONS
504	Improving Process Performance of Distributed Set-Based Design Systems by Controlling Wellbeing Indicators of Design Actors. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2014, 136, .	1.7	8
505	A Multi-objective Large Neighborhood Search Methodology for Scheduling Problems with Energy Costs. , 2015, , .		3
506	On the Decomposition of Non-binary Constraint into Equivalent Binary Constraints. , 2015, , .		1
507	Belief Constraint Satisfaction Problems. , 2015, , .		2
508	Decision in agroecosystems advanced modelling techniques studying global changes in environmental sciences. <i>Developments in Environmental Modelling</i> , 2015, 27, 217-245.	0.3	0
509	Verifying a Real-Time Language with Constraints. , 2015, , .		1
510	The Complexity of General-Valued CSPs. , 2015, , .		13
511	Constraint satisfaction problems on specific subsets of the n-dimensional unit cube. , 2015, , .		11
512	A Practical Approach for Maximizing Satisfiability in Qualitative Spatial and Temporal Constraint Networks. , 2015, , .		5
513	The Constrained-Network Propagation (C-NetP) Technique to Improve SBAS-DInSAR Deformation Time Series Retrieval. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 4910-4921.	2.3	12
514	On the use and effect of graph decomposition in qualitative spatial and temporal reasoning. , 2015, , .		2
515	On redundant topological constraints. <i>Artificial Intelligence</i> , 2015, 225, 51-76.	3.9	17
516	Marginal Consistency: Upper-Bounding Partition Functions over Commutative Semirings. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015, 37, 1455-1468.	9.7	4
517	The Power of Linear Programming for General-Valued CSPs. <i>SIAM Journal on Computing</i> , 2015, 44, 1-36.	0.8	52
518	Surveying the Versatility of Constraint-Based Large Neighborhood Search for Scheduling Problems. <i>Communications in Computer and Information Science</i> , 2015, , 33-43.	0.4	0
519	A Forward-Checking algorithm based on a Generalised Hypertree Decomposition for solving non-binary constraint satisfaction problems. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2015, 27, 649-671.	1.8	8
520	Contribution to system of systems modeling. , 2015, , .		4
522	Evaluation of the effectiveness of the interval computation method to simulate the dynamic behavior of subdefinite system: application on an active suspension system. <i>International Journal on Interactive Design and Manufacturing</i> , 2015, 9, 83-96.	1.3	5

#	ARTICLE	IF	CITATIONS
523	Constraint design rewriting. Science of Computer Programming, 2015, 97, 23-30.	1.5	0
524	Interval computation and constraint propagation for the optimal design of a compression spring for a linear vehicle suspension system. Mechanism and Machine Theory, 2015, 84, 67-89.	2.7	14
525	A compressed Generalized Hypertree Decomposition-based solving technique for non-binary Constraint Satisfaction Problems. AI Communications, 2016, 29, 371-392.	0.8	16
526	Resource Allocation with Efficient Load Balancing in Cloud Environment. , 2016, , .		21
527	Collaborative Localization Algorithm based on Constraint Programming. , 2016, , .		0
528	On finite Taylor algebras. International Journal of Algebra and Computation, 2016, 26, 1547-1571.	0.4	0
529	AI Reasoning Methods for Robotics. Springer Handbooks, 2016, , 329-356.	0.3	10
530	Computing and restoring global inverse consistency in interactive constraint satisfaction. Artificial Intelligence, 2016, 241, 153-169.	3.9	1
531	A Constraint-Based Approach for the Conciliation of Clinical Guidelines. Lecture Notes in Computer Science, 2016, , 77-88.	1.0	7
532	Leveraging constraint-based approaches for multi-objective flexible flow-shop scheduling with energy costs. Intelligenza Artificiale, 2016, 10, 147-160.	1.0	1
533	The influence of the level of definition of functional specifications on the environmental performances of a complex system. EcoCSP approach. International Journal of Sustainable Engineering, 2016, 9, 277-290.	1.9	7
534	Automated structure detection for distributed process optimization. Computers and Chemical Engineering, 2016, 89, 135-148.	2.0	6
535	Automating Abstract Interpretation. Lecture Notes in Computer Science, 2016, , 3-40.	1.0	14
536	Discovering Archipelagos of Tractability for Constraint Satisfaction and Counting. ACM Transactions on Algorithms, 2017, 13, 1-32.	0.9	10
537	Studying the use and effect of graph decomposition in qualitative spatial and temporal reasoning. Knowledge Engineering Review, 2017, 32, .	2.1	7
538	Application driven inverse type constraint satisfaction problems. Pattern Recognition and Image Analysis, 2017, 27, 418-425.	0.6	9
540	An Algorithm for Constraint Satisfaction Problem. , 2017, , .		3
541	On tree-preserving constraints. Annals of Mathematics and Artificial Intelligence, 2017, 81, 241-271.	0.9	1

#	ARTICLE	IF	CITATIONS
542	Information sciences 1968â€“2016: A retrospective analysis with text mining and bibliometric. Information Sciences, 2017, 418-419, 619-634.	4.0	163
543	Binarisation for Valued Constraint Satisfaction Problems. SIAM Journal on Discrete Mathematics, 2017, 31, 2279-2300.	0.4	1
544	A global constraint for over-approximation of real-time streams. Constraints, 2017, 22, 463-490.	0.4	0
545	Splitting Algorithm of Valuation Algebra and Its Application in Automaton Representation of Semiring Valued Constraint Problems. Advances in Intelligent Systems and Computing, 2017, , 203-212.	0.5	0
546	The Complexity of General-Valued CSPs. SIAM Journal on Computing, 2017, 46, 1087-1110.	0.8	25
547	Customer supplier relation: Towards a constraint-based model for bids. , 2017, , .		0
548	A Proof of CSP Dichotomy Conjecture. , 2017, , .		105
549	Optimal Algorithms for Min-Closed, Max-Closed and Arc Consistency over Connected Row Convex Constraints. , 2017, , .		0
550	Decomposition Structures for Soft Constraint Evaluation Problems: An Algebraic Approach. Lecture Notes in Computer Science, 2018, , 179-200.	1.0	2
551	Accelerating exact and approximate inference for (distributed) discrete optimization with GPUs. Constraints, 2018, 23, 1-43.	0.4	15
552	Tree projections and constraint optimization problems: Fixed-parameter tractability and parallel algorithms. Journal of Computer and System Sciences, 2018, 94, 11-40.	0.9	4
553	A tool-supported framework for work planning on construction sites based on constraint programming. Automation in Construction, 2018, 86, 190-198.	4.8	7
554	Exploring Directional Path-Consistency for Solving Constraint Networks. Computer Journal, 2018, 61, 1338-1350.	1.5	4
555	Configuration knowledge modeling: How to extend configuration from assemble/make to order towards engineer to order for the bidding process. Computers in Industry, 2018, 99, 29-41.	5.7	19
556	Manufacturing cell formation with flexible processing capabilities and worker assignment: Comparison of constraint programming and integer programming approaches. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 2054-2068.	1.5	8
557	The Complexity of General-Valued CSPs Seen from the Other Side. , 2018, , .		5
558	Computational Complexity Relationship between Compaction, Vertex-Compaction, and Retraction. Journal of Discrete Algorithms, 2018, 52-53, 168-181.	0.7	0
559	How to Use Configuration Software in â€œLess Routine Designâ€•Situations? Some Modelling Propositions. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
560	Design of a High Performance Battery Pack as a Constraint Satisfaction Problem. , 2018, , .		1
561	System Sizing with a Model-Based Approach: Application to the Optimization of a Power Transmission System. Mathematical Problems in Engineering, 2018, 2018, 1-14.	0.6	3
562	A new distributed algorithm for efficient generalized arc-consistency propagation. Autonomous Agents and Multi-Agent Systems, 2018, 32, 569-601.	1.3	0
563	Pushing the frontier of minimality. Theoretical Computer Science, 2018, 745, 172-201.	0.5	1
564	From MDD to BDD and Arc consistency. Constraints, 2018, 23, 451-480.	0.4	2
565	Leveraging Variable Elimination for Efficiently Reasoning about Qualitative Constraints. International Journal on Artificial Intelligence Tools, 2018, 27, 1860001.	0.7	5
566	Study on guaranteed output constraints in the long term joint optimal scheduling for the hydropower station group. Energy, 2019, 185, 1210-1224.	4.5	13
567	A Methodology for Implementing a Product-Centred Bid Model for Suppliers. Proceedings of the Design Society International Conference on Engineering Design, 2019, 1, 1035-1044.	0.6	0
568	Non-Functional Norms Specification and Verification Approach for Normative Multi-agents Systems. Procedia Computer Science, 2019, 159, 717-726.	1.2	2
569	Application of Genetic Algorithms to Distributed Optimization Problems under Fuzzy Constraints. Procedia Computer Science, 2019, 159, 1258-1266.	1.2	1
570	Point-width and Max-CSPs. , 2019, , .		3
571	Conditional Uncertainty in Constraint Networks. Lecture Notes in Computer Science, 2019, , 130-160.	1.0	6
572	Reasoning with Probabilistic and Deterministic Graphical Models: Exact Algorithms, Second Edition. Synthesis Lectures on Artificial Intelligence and Machine Learning, 2019, 13, 1-199.	0.6	4
573	Refining Constraint Weighting. , 2019, , .		6
574	A Generic Knowledge-based Model for Commercial Offers: Towards a Unified Model to Configure Products, Services and PSS During Calls for Tenders. , 2019, , .		0
575	Industrial Services Characterization for Bidding Process. IFAC-PapersOnLine, 2019, 52, 295-300.	0.5	1
576	Optimisation of the concurrent product and process configuration: an approach to reduce computation time with an experimental evaluation. International Journal of Production Research, 2020, 58, 631-647.	4.9	11
577	Qualitative Prediction Model for Dynamic Behavior of Ballasted Tracks. Applied Sciences (Switzerland), 2020, 10, 6258.	1.3	2

#	ARTICLE	IF	CITATIONS
578	Non-local configuration of component interfaces by constraint satisfaction. Constraints, 2020, 25, 121-159.	0.4	0
579	On neighbourhood singleton-style consistencies for qualitative spatial and temporal reasoning. Information and Computation, 2020, , 104638.	0.5	0
580	XCSP3 and its ecosystem. Constraints, 2020, 25, 47-69.	0.4	2
581	ProductâŽšservice system configuration: a generic knowledge-based model for commercial offers. International Journal of Production Research, 2021, 59, 1021-1040.	4.9	16
582	Spatial relation learning for explainable image classification and annotation in critical applications. Artificial Intelligence, 2021, 292, 103434.	3.9	12
583	Approximating partition functions of bounded-degree Boolean counting Constraint Satisfaction Problems. Journal of Computer and System Sciences, 2021, 115, 187-213.	0.9	2
584	Reasoning and querying bounds on differences with layered preferences. International Journal of Intelligent Systems, 2021, 36, 1998-2035.	3.3	0
585	Resource Controllability of Business Processes Under Conditional Uncertainty. Journal on Data Semantics, 2021, 10, 19.	2.0	0
586	Adaptive constraint propagation in constraint satisfaction: review and evaluation. Artificial Intelligence Review, 2021, 54, 5055-5093.	9.7	0
587	In praise of homomorphisms. Computer Science Review, 2021, 40, 100352.	10.2	1
588	Theoretical Computer Science in Italy: The Early Years. IEEE Annals of the History of Computing, 2021, 43, 44-56.	0.2	0
589	A new branch-and-filter exact algorithm for binary constraint satisfaction problems. European Journal of Operational Research, 2021, 299, 448-448.	3.5	2
590	ISIEM: A methodology to deploy a knowledge-based system to support bidding process. Computers and Industrial Engineering, 2021, 161, 107638.	3.4	4
591	Interval Constraints. , 2001, , 1135-1138.		2
592	The complexity of constraint satisfaction: an algebraic approach. , 2005, , 181-213.		22
593	Use of Constraint Programming for Design. , 2006, , 145-157.		6
594	Dependency Calculus: Reasoning in a General Point Relation Algebra. Lecture Notes in Computer Science, 2005, , 49-63.	1.0	7
595	Weak Composition for Qualitative Spatial and Temporal Reasoning. Lecture Notes in Computer Science, 2005, , 534-548.	1.0	51

#	ARTICLE	IF	CITATIONS
597	Exploration of the Capabilities of Constraint Programming for Software Verification. Lecture Notes in Computer Science, 2006, , 182-196.	1.0	21
598	A Constraint-Based Approach to Horizontal Web Service Composition. Lecture Notes in Computer Science, 2006, , 130-143.	1.0	79
599	An efficient algorithm for the solution of hierarchical networks of constraints. Lecture Notes in Computer Science, 1987, , 440-457.	1.0	16
600	From Graph Colouring to Constraint Satisfaction: There and Back Again. , 2006, , 407-432.		6
601	Connected and Loosely Connected List Homomorphisms. Lecture Notes in Computer Science, 2002, , 399-412.	1.0	5
602	Consistency in General CSPs. Lecture Notes in Computer Science, 2000, , 469-479.	1.0	3
603	Interval Constraints: Results and Perspectives. Lecture Notes in Computer Science, 2000, , 1-16.	1.0	4
604	Qualitative Spatial Reasoning about Relative Position. Lecture Notes in Computer Science, 2003, , 385-400.	1.0	25
605	Constraint Satisfaction Problems and Finite Algebras. Lecture Notes in Computer Science, 2000, , 272-282.	1.0	64
606	Computing Lower Bound for MAX-CSP Problems. , 2003, , 614-624.		2
608	Double-Crossing: Decidability and Computational Complexity of a Qualitative Calculus for Navigation. Lecture Notes in Computer Science, 2001, , 431-446.	1.0	17
609	Constraint Satisfaction Problems in Non-deterministic Logarithmic Space. Lecture Notes in Computer Science, 2002, , 414-425.	1.0	12
610	On Algorithms for Decomposable Constraints. Lecture Notes in Computer Science, 2002, , 65-71.	1.0	1
611	The Langford's Problem: A Challenge for Parallel Resolution of CSP. Lecture Notes in Computer Science, 2002, , 789-796.	1.0	2
612	A Note on Partial Consistencies over Continuous Domains. Lecture Notes in Computer Science, 1998, , 147-161.	1.0	12
613	Constructing Constraints. Lecture Notes in Computer Science, 1998, , 2-16.	1.0	9
615	Dynamic constraint satisfaction in a bridge design system. Lecture Notes in Computer Science, 1990, , 217-232.	1.0	7
616	Constraint Logic Programming. Lecture Notes in Computer Science, 1992, , 3-35.	1.0	30

#	ARTICLE	IF	CITATIONS
617	The use and interpretation of meta level constraints. Lecture Notes in Computer Science, 1993, , 271-280.	1.0	2
618	Constraint programming and database query languages. Lecture Notes in Computer Science, 1994, , 96-120.	1.0	53
619	Interval constraint logic programming. Lecture Notes in Computer Science, 1995, , 1-21.	1.0	31
620	Enhancing the constraint-solving power of clp(FD) by means of path-consistency methods. Lecture Notes in Computer Science, 1995, , 39-61.	1.0	2
621	Integrating constraints in an object-based knowledge representation system. Lecture Notes in Computer Science, 1995, , 67-83.	1.0	3
622	Redundant hidden variables in finite domain constraint problems. Lecture Notes in Computer Science, 1995, , 205-223.	1.0	3
623	Tools for solving problems in the scope of algebraic programming. Lecture Notes in Computer Science, 1995, , 30-47.	1.0	5
624	Local and global relational consistency. Lecture Notes in Computer Science, 1995, , 240-257.	1.0	8
625	A unifying framework for tractable constraints. Lecture Notes in Computer Science, 1995, , 276-291.	1.0	26
626	Constraint solving for combinatorial search problems: A tutorial. Lecture Notes in Computer Science, 1995, , 564-587.	1.0	10
627	Computational properties of qualitative spatial reasoning: First results. Lecture Notes in Computer Science, 1995, , 233-244.	1.0	23
629	A labelling arc consistency method for functional constraints. Lecture Notes in Computer Science, 1996, , 16-30.	1.0	4
630	A test for tractability. Lecture Notes in Computer Science, 1996, , 267-281.	1.0	28
631	Combining local consistency, symbolic rewriting and interval methods. Lecture Notes in Computer Science, 1996, , 144-159.	1.0	12
632	Heterogeneous constraint solving. Lecture Notes in Computer Science, 1996, , 62-76.	1.0	43
633	Constraint based system-level diagnosis of multiprocessors. Lecture Notes in Computer Science, 1996, , 403-420.	1.0	1
634	Characterizing tractable CSPs. Lecture Notes in Computer Science, 1998, , 259-272.	1.0	2
635	Information Support of FMS Configuration Design. IFIP Advances in Information and Communication Technology, 1996, , 357-364.	0.5	3

#	ARTICLE	IF	CITATIONS
636	Interval Constraints. , 2008, , 1733-1736.		1
637	Constraint based modelling as a mean to link dialectical thinking and corporate data. Application to the Design of Experiments.. , 2007, , 145-155.		1
638	Constraint Acquisition as Semi-Automatic Modeling. , 2004, , 111-124.		7
639	Qualitative Spatial Reasoning Using Constraint Calculi. , 2007, , 161-215.		154
640	Global Constraints and Filtering Algorithms. Operations Research/ Computer Science Interfaces Series, 2004, , 89-135.	0.3	10
641	Backtrack-Free and Backtrack-Bounded Search. , 1988, , 343-369.		31
642	Network-Based Heuristics for Constraint-Satisfaction Problems. , 1988, , 370-425.		131
643	Fundamental Properties of Networks of Constraints: A New Formulation. , 1988, , 426-449.		8
644	Tree Search and ARC Consistency in Constraint Satisfaction Algorithms. , 1988, , 287-342.		61
645	Relaxation Labeling: 25 Years and Still Iterating. , 2001, , 289-321.		5
646	Constraint Reasoning. , 2020, , 153-183.		2
647	Consistency for 0-1 Programming. Lecture Notes in Computer Science, 2019, , 225-240.	1.0	1
648	A Recursive Algorithm for Building Renovation in Smart Cities. Lecture Notes in Computer Science, 2014, , 144-153.	1.0	5
650	Strengthening Convex Relaxations with Bound Tightening for Power Network Optimization. Lecture Notes in Computer Science, 2015, , 39-57.	1.0	32
652	Towards Diet Management with Automatic Reasoning and Persuasive Natural Language Generation. Lecture Notes in Computer Science, 2015, , 79-90.	1.0	2
653	Scheduling Meetings with Distributed Local Consistency Reinforcement. Lecture Notes in Computer Science, 2004, , 679-688.	1.0	1
655	The Complexity of Boolean Constraint Isomorphism. Lecture Notes in Computer Science, 2004, , 164-175.	1.0	8
656	Solving Constraints Between Lines in Euclidean Geometry. Lecture Notes in Computer Science, 2004, , 148-157.	1.0	1

#	ARTICLE	IF	CITATIONS
657	Relation Variables in Qualitative Spatial Reasoning. Lecture Notes in Computer Science, 2004, , 337-350.	1.0	5
659	An Algebraic Approach to Multi-sorted Constraints. Lecture Notes in Computer Science, 2003, , 183-198.	1.0	26
660	Tractability by Approximating Constraint Languages. Lecture Notes in Computer Science, 2003, , 392-406.	1.0	5
663	Improved Algorithms for Counting Solutions in Constraint Satisfaction Problems. Lecture Notes in Computer Science, 2003, , 81-95.	1.0	16
664	Improved Algorithms for Max-restricted Path Consistency. Lecture Notes in Computer Science, 2003, , 858-862.	1.0	10
665	Closure Functions and Width 1 Problems. Lecture Notes in Computer Science, 1999, , 159-173.	1.0	49
666	Exploiting Bipartiteness to Identify Yet Another Tractable Subclass of CSP. Lecture Notes in Computer Science, 1999, , 118-128.	1.0	6
667	Introduction to Reasoning about Cyclic Intervals. Lecture Notes in Computer Science, 1999, , 698-706.	1.0	8
668	Semiring-Based Soft Constraints. Lecture Notes in Computer Science, 2008, , 155-173.	1.0	8
669	SPREADSPACES: Mathematically-Intelligent Graphical Spreadsheets. Lecture Notes in Computer Science, 2008, , 194-208.	1.0	1
670	CC-Pi: A Constraint-Based Language for Specifying Service Level Agreements. Lecture Notes in Computer Science, 2007, , 18-32.	1.0	90
671	A Framework for Combining Rules and Geo-ontologies. , 2007, , 133-147.		16
672	Combinatorial Proof that Subprojective Constraint Satisfaction Problems are NP-Complete. Lecture Notes in Computer Science, 2007, , 159-170.	1.0	2
673	Classes of Submodular Constraints Expressible by Graph Cuts. Lecture Notes in Computer Science, 2008, , 112-127.	1.0	4
674	Soft Constraints Processing over Divisible Residuated Lattices. Lecture Notes in Computer Science, 2009, , 887-898.	1.0	1
675	Local Consistency and SAT-Solvers. Lecture Notes in Computer Science, 2010, , 398-413.	1.0	3
676	A Soft Constraint-Based Approach to QoS-Aware Service Selection. Lecture Notes in Computer Science, 2010, , 596-602.	1.0	16
678	Aggregating Trust Using Triangular Norms in the KeyNote Trust Management System. Lecture Notes in Computer Science, 2011, , 100-115.	1.0	5

#	ARTICLE	IF	CITATIONS
679	Solving Minimal Constraint Networks in Qualitative Spatial and Temporal Reasoning. Lecture Notes in Computer Science, 2012, , 464-479.	1.0	4
680	Time-Dependent Simple Temporal Networks. Lecture Notes in Computer Science, 2012, , 608-623.	1.0	4
681	A Branch and Prune Algorithm for the Computation of Generalized Aspects of Parallel Robots. Lecture Notes in Computer Science, 2012, , 867-882.	1.0	2
682	A Constraint Solver Based on Abstract Domains. Lecture Notes in Computer Science, 2013, , 434-454.	1.0	18
683	A Supervised Learning Approach to Construct Hyper-heuristics for Constraint Satisfaction. Lecture Notes in Computer Science, 2013, , 284-293.	1.0	2
684	On the Reduction of the CSP Dichotomy Conjecture to Digraphs. Lecture Notes in Computer Science, 2013, , 184-199.	1.0	8
685	Matching Qualitative Spatial Scene Descriptions à la Tabu. Lecture Notes in Computer Science, 2013, , 388-402.	1.0	8
687	Running Efficiently Arc Consistency. , 1988, , 217-231.		5
688	BDS: A system for the Bus Driversâ€™ Scheduling problem integrating combinatorial optimization and logic programming. , 1988, , 68-82.		2
690	An Algorithm Inspired by Constraint Solvers to Infer Inductive Invariants in Numeric Programs. Lecture Notes in Computer Science, 2016, , 560-588.	1.0	6
691	Structural Engineering Design Support by Constraint Satisfaction. , 2000, , 311-331.		2
692	Comparing Partial Consistencies. , 1999, , 213-228.		21
693	LEARNING STRUCTURE FROM DATA: A SURVEY (*) *This work was supported in part by National Science Foundation Grants #IRI-86-10155 and #IRI-8815522, and Naval Research Laboratory Grant #N00014-89-J-2007.. , 1989, , 230-244.		2
694	Parallel and Distributed Finite Constraint Satisfaction: Complexity, Algorithms and Experiments. Machine Intelligence and Pattern Recognition, 1994, , 305-334.	0.2	8
695	CONSTRAINT-SATISFACTION PROBLEMS IN PROJECT SCHEDULING. , 1989, , 135-150.		12
696	Search: A Survey of Recent Results. , 1988, , 197-237.		23
697	Evidential Reasoning Under Uncertainty. , 1988, , 381-418.		14
698	Complexity Results for First-Order Theories of Temporal Constraints. , 1994, , 379-390.		23

#	ARTICLE	IF	CITATIONS
699	Constraint Tightness versus Global Consistency. , 1994, , 572-582.		10
703	Towards a Conceptual Design Explorer Using Metamodeling Approaches and Constraint Programming. , 2003, , .		16
704	A Comparative Study of Constraint Programming Techniques Over Intervals in Preliminary Design. , 2004, , .		7
705	A New Framework for Collaborative Set-Based Design: Application to the Design Problem of a Hollow Cylindrical Cantilever Beam. , 2011, , .		7
706	Constraint Programming Simulation of a Distributed Set-Based Design Framework With Control Indicators. , 2012, , .		3
707	ConstraintLisp. ACM SIGPLAN Notices, 1992, 27, 17-26.	0.2	5
708	Tachyon: A constraint-based temporal reasoning model and its implementation. ACM SIGART Bulletin, 1993, 4, 1-4.	0.5	8
709	Bucket elimination. ACM Computing Surveys, 1996, 28, 61.	16.1	9
710	The Complexity of Finite-Valued CSPs. Journal of the ACM, 2016, 63, 1-33.	1.8	38
711	A Proof of the CSP Dichotomy Conjecture. Journal of the ACM, 2020, 67, 1-78.	1.8	58
712	Artificial Intelligence Search Algorithms. Chapman & Hall/CRC Applied Algorithms and Data Structures Series, 2009, , 1-23.	0.1	34
713	Research and Development of Distributed Constraint Satisfaction Problems. Ruan Jian Xue Bao/Journal of Software, 2006, 17, 2029.	0.3	4
714	A Maximal Tractable Class of Soft Constraints. Journal of Artificial Intelligence Research, 0, 22, 1-22.	7.0	22
715	Using Pivot Consistency to Decompose and Solve Functional CSPs. Journal of Artificial Intelligence Research, 0, 2, 447-474.	7.0	8
716	Set Intersection and Consistency in Constraint Networks. Journal of Artificial Intelligence Research, 0, 27, 441-464.	7.0	4
717	A Unifying Framework for Structural Properties of CSPs: Definitions, Complexity, Tractability. Journal of Artificial Intelligence Research, 0, 32, 607-629.	7.0	5
718	Second-Order Consistencies. Journal of Artificial Intelligence Research, 0, 40, 175-219.	7.0	5
719	Local Consistency and SAT-Solvers. Journal of Artificial Intelligence Research, 0, 43, 329-351.	7.0	12

#	ARTICLE	IF	CITATIONS
720	Tractable Triangles and Cross-Free Convexity in Discrete Optimisation. Journal of Artificial Intelligence Research, 0, 44, 455-490.	7.0	10
721	Relations Between Spatial Calculi About Directions and Orientations. Journal of Artificial Intelligence Research, 0, 54, 277-308.	7.0	2
722	Reasoning on Interval and Point-based Disjunctive Metric Constraints in Temporal Contexts. Journal of Artificial Intelligence Research, 0, 12, 35-86.	7.0	17
723	Conflict-Directed Backjumping Revisited. Journal of Artificial Intelligence Research, 0, 14, 53-81.	7.0	47
724	Efficient Methods for Qualitative Spatial Reasoning. Journal of Artificial Intelligence Research, 0, 15, 289-318.	7.0	82
726	Linear datalog and bounded path duality of relational structures. Logical Methods in Computer Science, 2005, 1, .	0.4	40
727	A finer reduction of constraint problems to digraphs. Logical Methods in Computer Science, 0, Volume 11, Issue 4, .	0.4	9
728	The Complexity of Rooted Phylogeny Problems. Logical Methods in Computer Science, 2011, 7, .	0.4	5
729	On determining the consistency of partial descriptions of trees. , 1994, , .		17
730	Homomorphismes d'hypergraphes pour la subsomption en RDF/RDFS. L'Objet, 2004, 10, 203-216.	0.2	4
731	Conception, modélisation géométrique et contraintes en CAO : une synthèse. Revue D'Intelligence Artificielle, 2004, 18, 619-645.	0.5	3
732	A Survey of Data-based Production Scheduling Methods. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 35, 785-806.	0.3	19
733	Constraint Satisfaction for Planning and Scheduling. , 2005, , 320-353.		3
734	Spatial reasoning with augmented points: Extending cardinal directions with local distances. Journal of Spatial Information Science, 2012, , .	1.1	30
737	Combining Constraints and Consistency Techniques in Knowledge-Based Expert Systems. Lecture Notes in Computer Science, 2000, , 191-200.	1.0	0
739	Declarative Modelling of Constraint Propagation Strategies. Lecture Notes in Computer Science, 2000, , 201-215.	1.0	1
741	Decomposable Constraints. Lecture Notes in Computer Science, 2000, , 134-149.	1.0	2
742	Why leximin FCSPs are so hard for local search. Advances in Fuzzy Systems, 2000, , 185-196.	8.7	0

#	ARTICLE	IF	CITATIONS
743	Computer Integrated Production Scheduling. , 2001, , 421-468.		0
744	Global Hull Consistency with Local Search for Continuous Constraint Solving. Lecture Notes in Computer Science, 2001, , 349-362.	1.0	3
745	Scheduling in Job Shops. , 2001, , 273-315.		0
746	A Non-binary Constraint Satisfaction Solver: the One-Face Hyperpolyhedron Heuristic. , 2002, , 313-324.		2
747	Series-Parallel and Tree-Decomposition Approaches for Fuzzy Constraint Networks. Lecture Notes in Computer Science, 2002, , 275-284.	1.0	1
748	The Complexity of Constraints on Intervals and Lengths. Lecture Notes in Computer Science, 2002, , 443-454.	1.0	2
749	Distributed Reinforcement of Arc-Consistency. Lecture Notes in Computer Science, 2002, , 97-107.	1.0	1
750	Determining the Number of Solutions to Binary CSP Instances. Lecture Notes in Computer Science, 2002, , 327-340.	1.0	1
751	Preprocessing Algorithms for non-binary Disjunctive Constraint Satisfaction. , 2002, , 123-133.		1
752	Solving Order Constraints in Logarithmic Space. Lecture Notes in Computer Science, 2003, , 379-390.	1.0	5
753	A Constraint Framework for the Qualitative Analysis of Dependability Goals: Integrity. Lecture Notes in Computer Science, 2003, , 130-143.	1.0	2
754	Learning by Constraint Relaxation. , 2003, , 596-601.		0
755	Concurrency, Time, and Constraints. Lecture Notes in Computer Science, 2003, , 72-101.	1.0	0
758	Solution Techniques for Constraint Satisfaction Problems. Inteligencia Artificial, 2003, 7, .	0.5	0
759	Some reflections on the semantic of a fuzzy constraint. Inteligencia Artificial, 2003, 7, .	0.5	0
760	Introduction to constraint programming. Inteligencia Artificial, 2003, 7, .	0.5	2
761	Dynamic dependency parsing. , 2004, , .		1
762	Probabilistic Space Partitioning in Constraint Logic Programming. Lecture Notes in Computer Science, 2004, , 48-62.	1.0	0

#	ARTICLE	IF	CITATIONS
763	Cross-Lingual Semantics for Crime Analysis Using Associate Constraint Network. Lecture Notes in Computer Science, 2004, , 449-456.	1.0	1
765	Notes on Timed Concurrent Constraint Programming. Lecture Notes in Computer Science, 2004, , 702-741.	1.0	0
766	Decremental Clique Problem. Lecture Notes in Computer Science, 2004, , 142-153.	1.0	1
767	Managing Uncertainty of Product Data. , 2004, , 195-208.		1
768	Relation Variables in Qualitative Spatial Reasoning. Lecture Notes in Computer Science, 2004, , 790-790.	1.0	0
769	Constraint Languages for Combinatorial Optimization. Profiles in Operations Research, 2005, , 3-1-3-45.	0.3	0
770	A Tractable Subclass of Fuzzy Constraint Networks. Lecture Notes in Computer Science, 2005, , 269-274.	1.0	0
771	Solution Equivalent Subquadrangle Reformulations of Constraint Satisfaction Problems. Lecture Notes in Computer Science, 2005, , 851-851.	1.0	0
772	A Boolean Encoding Including SAT and n-ary CSPs. Lecture Notes in Computer Science, 2006, , 33-44.	1.0	0
773	Handbook of Constraint Programming. Foundations of Artificial Intelligence, 2006, , .	0.9	154
774	Algorithms and Constraint Programming. Lecture Notes in Computer Science, 2006, , 2-14.	1.0	1
775	Abstraction de réseaux de contraintes. Revue D'Intelligence Artificielle, 2006, 20, 31-62.	0.5	1
776	Reachability and Dependency Calculi: Reasoning in Network Algebras. Lecture Notes in Computer Science, 2007, , 1-19.	1.0	0
777	Constraint and Logic Programming: Ugo Montanari's Main Contributions and Introduction to the Volume Section. Lecture Notes in Computer Science, 2008, , 151-154.	1.0	0
778	Asynchronous Constraint-Based Approach: New Solution for any Constraint Problem. Studies in Computational Intelligence, 2008, , 169-184.	0.7	0
779	The Seventies. Lecture Notes in Computer Science, 2008, , 797-798.	1.0	0
780	Ugo Montanari in a Nutshell. Lecture Notes in Computer Science, 2008, , 1-8.	1.0	1
781	Failed Value Consistencies for Constraint Satisfaction. Lecture Notes in Computer Science, 2009, , 554-568.	1.0	0

#	ARTICLE	IF	CITATIONS
782	Exploiting Qualitative Spatial Constraints for Multi-hypothesis Topological Map Learning. Lecture Notes in Computer Science, 2009, , 141-158.	1.0	3
783	Presenting Constraints. Lecture Notes in Computer Science, 2009, , 1-15.	1.0	2
784	An Overview of AI Research in Italy. Lecture Notes in Computer Science, 2009, , 174-192.	1.0	0
785	Constraint Logic Programming. Lecture Notes in Computer Science, 2010, , 64-86.	1.0	7
786	Horizontal Service Composition for Language Services. Cognitive Technologies, 2011, , 53-67.	0.5	0
787	Preference Representation Languages. Cognitive Technologies, 2011, , 19-85.	0.5	0
788	On Minimal Constraint Networks. Lecture Notes in Computer Science, 2011, , 325-339.	1.0	3
789	The Parameterized Complexity of Local Consistency. Lecture Notes in Computer Science, 2011, , 302-316.	1.0	7
790	Verification of Item Usage Rules in Product Configuration. International Federation for Information Processing, 2012, , 182-191.	0.4	1
792	Exact Approaches for Parameter Elicitation in Lexicographic Ordering. Lecture Notes in Computer Science, 2013, , 45-56.	1.0	0
793	The Parameterized Complexity of Constraint Satisfaction and Reasoning. Lecture Notes in Computer Science, 2013, , 27-37.	1.0	0
794	Dynamic and Static Symmetry Breaking in Answer Set Programming. Lecture Notes in Computer Science, 2013, , 112-126.	1.0	0
796	Application of the CSP Approach and the Interval Computation for the Optimal Sizing of a Compression Spring. Lecture Notes in Mechanical Engineering, 2013, , 613-625.	0.3	0
800	The Power of LP Relaxation for MAP Inference. , 2014, , 19-42.		4
801	Branching Schemes and Variable Ordering Heuristics for Constraint Satisfaction Problems: Is There Something to Learn?. Studies in Computational Intelligence, 2014, , 329-342.	0.7	0
803	A Relational View of Text Image Processing. , 1980, , 139-169.		1
804	Scene Matching Methods. , 1980, , 221-243.		0
806	Relational Matching " Problems, Techniques, and Applications. Informatik-Fachberichte, 1984, , 24-41.	0.2	3

#	ARTICLE	IF	CITATIONS
807	Realizability of Polyhedrons From Line Drawingsâ€”â€”The work is partly supported by the Grant-in-Aid for Scientific Research of the Ministry of Education, Science, and Culture of Japan (Grant No.) Tj ETQq0 0 0 rgBT /Ove2lock 100f 50 737		
808	Ordered Structural Matching. , 1988, , 33-47.		1
810	Formalizing Local Constraint Propagation Methods. Informatik-Fachberichte, 1989, , 218-260.	0.2	0
811	Extending Equation Solving and Constraint Handling in Logic Programming. , 1989, , 87-115.		8
812	Erkennung von 3-D Objekten im Nadeldiagramm mithilfe von Konsistenzbedingungen. Informatik-Fachberichte, 1990, , 282-291.	0.2	0
813	Constraints - Relationen-orientierte Programmierung (1). Studienreihe Informatik, 1991, , 1-67.	0.2	0
814	Constraint-basierte Verarbeitung graphischen Wissens. Informatik-Fachberichte, 1991, , 243-253.	0.2	0
815	HardSys/HardDraw: A Smart Topology Based Electromagnetic Interaction Modelling Tool (NRC number) Tj ETQq1 1 0.784314,rgBT /Ove2		
816	Constraint Dependency Grammar and Its Weak Generative Capacity. Advances in Software Science and Technology, 1992, 3, 157-173.	0.1	6
817	JALUNT. , 1992, , .		1
821	Finite Domain Constraint Problems and their Relationship with Logic Programming. , 1993, , 53-71.		2
822	Reasoning about qualitative temporal information. , 1994, , 297-326.		4
823	The complexity of constraint satisfaction revisited. , 1994, , 57-62.		1
824	Constraint satisfaction using constraint logic programming. , 1994, , 113-160.		7
828	Knowledge Acquisition Through Schedule Decomposition. , 1994, , 389-392.		0
829	Managing qualitative temporal information: Expressiveness vs. complexity. Lecture Notes in Computer Science, 1994, , 104-117.	1.0	0
830	Boolean approach for representing and solving constraint-satisfaction problems. Lecture Notes in Computer Science, 1995, , 163-174.	1.0	0
831	Magic checking: Constraint checking for database query optimisation. Lecture Notes in Computer Science, 1996, , 148-166.	1.0	2

#	ARTICLE	IF	CITATIONS
832	Derivation of constraints and database relations. Lecture Notes in Computer Science, 1996, , 134-148.	1.0	2
833	N-ary consistencies and constraint-based backtracking. Lecture Notes in Computer Science, 1996, , 551-552.	1.0	1
834	Scheduling in Job Shops. , 1996, , 275-317.		0
835	Existential variables and local consistency in finite domain constraint problems. Lecture Notes in Computer Science, 1996, , 382-396.	1.0	0
836	Artifact Configuration Across Different Design Levels. IFIP Advances in Information and Communication Technology, 1996, , 137-147.	0.5	0
837	From quasi-solutions to solution: An Evolutionary algorithm to solve CSP. Lecture Notes in Computer Science, 1996, , 367-381.	1.0	13
838	Computer Integrated Production Scheduling. , 1996, , 423-471.		0
839	MUSE CSP: An Extension to the Constraint Satisfaction Problem. Journal of Artificial Intelligence Research, 0, 5, 239-288.	7.0	0
840	A CLP model to the job sequencing problem. Lecture Notes in Computer Science, 1997, , 291-296.	1.0	2
841	Modeling and solving constraint satisfaction problems through Petri nets. Lecture Notes in Computer Science, 1997, , 348-366.	1.0	2
843	SCAN-98 Collected Bibliography. , 1999, , 383-402.		0
845	A Precedence Constraint Posting Approach. , 2015, , 113-133.		2
847	On Distributive Subalgebras of Qualitative Spatial and Temporal Calculi. Lecture Notes in Computer Science, 2015, , 354-374.	1.0	4
848	Towards a Framework for Adaptive Constraint Propagation. Communications in Computer and Information Science, 2015, , 578-581.	0.4	0
849	Token Evolution in an Ill-posed Constraint Petri-net. , 2015, , .		0
850	Layout Synthesis for Symmetrical Facades. IFIP Advances in Information and Communication Technology, 2015, , 293-306.	0.5	0
851	On Tree-Preserving Constraints. Lecture Notes in Computer Science, 2015, , 244-261.	1.0	0
856	Planification de chaÃne logistique sous incertitude : maintien de solution par satisfaction de contraintes dynamiques. Journal European Des Systemes Automatisees, 2016, 49, 725-748.	0.3	0

#	ARTICLE	IF	CITATIONS
858	lmaxRPCs: An Algorithm Utilizing Light Symmetry for Approximating maxRPC in Constraint Programming. , 2017, , .		0
859	Automatic Synthesis of Smart Table Constraints by Abstraction of Table Constraints. , 2017, , .		1
860	From Backdoor Key to Backdoor Completeness: Improving a Known Measure of Hardness for the Satisfiable CSP. Lecture Notes in Computer Science, 2018, , 198-214.	1.0	1
861	Soft-Regular with a Prefix-Size Violation Measure. Lecture Notes in Computer Science, 2018, , 333-343.	1.0	0
862	A comparative study of CHN-MNC, GA and PSO for solving constraints satisfaction problems. , 2019, , .		2
863	Constraint Programming and Disjunctive Scheduling. , 2019, , 609-670.		0
864	A Polynomial Model for the System of Systems Graphical Representation. , 2020, , .		0
865	Knot Coloring as Verification. , 2020, , .		1
866	Branching interval algebra: An almost complete picture. Information and Computation, 2021, , 104809.	0.5	1
867	Allen's Interval Algebra Makes the Difference. Lecture Notes in Computer Science, 2020, , 89-98.	1.0	2
869	Probabilistic Constraints for Inverse Problems. , 2008, , 115-128.		1
870	Point-Width and Max-CSPs. ACM Transactions on Algorithms, 2020, 16, 1-28.	0.9	11
871	Abstract domains for constraint programming with differential equations. , 2020, , .		1
873	The Complexity of General-Valued Constraint Satisfaction Problems Seen from the Other Side. SIAM Journal on Computing, 2022, 51, 19-69.	0.8	2
875	Constraint-based Verification of Formation Control. , 2021, , .		0
876	Integration of Ontologies and Constraint Satisfaction Problems for Product Configuration. , 2021, , .		0
880	An efficient heuristic approach combining maximal itemsets and area measure for compressing voluminous table constraints. Journal of Supercomputing, 0, , .	2.4	0
881	Extending STR to a Higher-Order Consistency. Proceedings of the AAAI Conference on Artificial Intelligence, 2013, 27, 576-582.	3.6	7

#	ARTICLE	IF	CITATIONS
882	Selecting the Appropriate Consistency Algorithm for CSPs Using Machine Learning Classifiers. Proceedings of the AAAI Conference on Artificial Intelligence, 2013, 27, 1611-1612.	3.6	4
884	The Extendable-Triple Property: A New CSP Tractable Class beyond BTP. Proceedings of the AAAI Conference on Artificial Intelligence, 2015, 29, .	3.6	5
885	Characterizing Performance of Consistency Algorithms by Algorithm Configuration of Random CSP Generators. Proceedings of the AAAI Conference on Artificial Intelligence, 2015, 29, .	3.6	1
886	Iterative Improvement Algorithms for the Blocking Job Shop. , 0, 22, 199-206.		11
887	A First Practical Algorithm for High Levels of Relational Consistency. Proceedings of the AAAI Conference on Artificial Intelligence, 2010, 24, 101-107.	3.6	19
888	Optimizing the wiring sequence based on a Constraint Satisfaction Problem for robot-based manufacturing of solderless wrapped connections. Procedia CIRP, 2022, 112, 203-208.	1.0	0
889	Incrementally Solving STNs by Enforcing Partial Path Consistency. , 0, 20, 129-136.		14
890	System Configuration Models: Towards a Specialization Approach. IFAC-PapersOnLine, 2022, 55, 1189-1194.	0.5	0
891	HSJ-Solver: a new method based on GHD for answering conjunctive queries and solving constraint satisfaction problems. Applied Intelligence, 0, , .	3.3	0
892	Optical Matrix Encoding for Constraint Satisfaction. , 1989, , .		0
894	A Comparison Between Selection Operators Heuristics of Perturbation in CSP. Studies in Computational Intelligence, 2023, , 365-377.	0.7	0
896	Constraint Programming Paradigm. Undergraduate Topics in Computer Science, 2023, , 409-431.	0.1	0
897	New Methods for Compressing Table Constraints. Studies in Computational Intelligence, 2024, , 1-28.	0.7	0