

Mark Wallace

List of Publications by Year in descending order

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56
papers

1,656
citations

471509
17
h-index

302126
39
g-index

63
all docs

63
docs citations

63
times ranked

1571
citing authors

#	ARTICLE	IF	CITATIONS
1	Land use, transport, and population health: estimating the health benefits of compact cities. Lancet, The, 2016, 388, 2925-2935.	13.7	369
2	The Effects of the Social Structure of Digital Networks on Viral Marketing Performance. Information Systems Research, 2008, 19, 273-290.	3.7	256
3	Practical applications of constraint programming. Constraints, 1996, 1, 139-168.	0.7	135
4	The Design of the Zinc Modelling Language. Constraints, 2008, 13, 229-267.	0.7	101
5	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling. Constraints, 2000, 5, 359-388.	0.7	94
6	Explaining the cumulative propagator. Constraints, 2011, 16, 250-282.	0.7	66
7	Solving RCPSP/max by lazy clause generation. Journal of Scheduling, 2013, 16, 273-289.	1.9	55
8	Integrating Operations Research in Constraint Programming. Annals of Operations Research, 2010, 175, 37-76.	4.1	42
9	Coordinated Transit Signal Priority Model Considering Stochastic Bus Arrival Time. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1269-1277.	8.0	35
10	Bicycle lane priority: Promoting bicycle as a green mode even in congested urban area. Transportation Research, Part A: Policy and Practice, 2016, 87, 102-121.	4.2	34
11	Generalized constraint propagation over the CLP scheme. The Journal of Logic Programming, 1993, 16, 319-359.	1.7	32
12	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems. Lecture Notes in Computer Science, 1998, , 385-399.	1.3	31
13	Integrating operations research in constraint programming. 4or, 2006, 4, 175-219.	1.6	20
14	A lagrangian relaxation and ACO hybrid for resource constrained project scheduling with discounted cash flows. Journal of Heuristics, 2014, 20, 643-676.	1.4	20
15	The Modelling Language Zinc. Lecture Notes in Computer Science, 2006, , 700-705.	1.3	19
16	What do Constraint Programming Users Want to See? Exploring the Role of Visualisation in Profiling of Models and Search. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 281-290.	4.4	19
17	Dantzig-Wolfe decomposition and branch-and-price solving in G12. Constraints, 2011, 16, 77-99.	0.7	18
18	A Lagrangian-ACO matheuristic for car sequencing. EURO Journal on Computational Optimization, 2014, 2, 279-296.	2.4	18

#	ARTICLE	IF	CITATIONS
19	Improved Linearization of Constraint Programming Models. Lecture Notes in Computer Science, 2016, , 49-65.	1.3	18
20	Tight, consistent, and computable completions for unrestricted logic programs. The Journal of Logic Programming, 1993, 15, 243-273.	1.7	17
21	On implementing symmetry detection. Constraints, 2009, 14, 443-477.	0.7	16
22	Finding the Right Hybrid Algorithm “ A Combinatorial Meta-Problem. Annals of Mathematics and Artificial Intelligence, 2002, 34, 259-269.	1.3	14
23	Learning crew scheduling constraints from historical schedules. Transportation Research Part C: Emerging Technologies, 2013, 26, 214-232.	7.6	14
24	Improved Optimal and Approximate Power Graph Compression for Clearer Visualisation of Dense Graphs. , 2014, , .		14
25	Lightweight dynamic symmetry breaking. Constraints, 2014, 19, 195-242.	0.7	14
26	On Benchmarking Constraint Logic Programming Platforms. Response to Fernandez and Hill's “A Comparative Study of Eight Constraint Programming Languages over the Boolean and Finite Domains” Constraints, 2004, 9, 5-34.	0.7	12
27	The future of optimization technology. Constraints, 2014, 19, 126-138.	0.7	11
28	From Zinc to Design Model. Lecture Notes in Computer Science, 2006, , 215-229.	1.3	10
29	Constraint Logic Programming. Lecture Notes in Computer Science, 2002, , 512-532.	1.3	9
30	Analytical Approach to Estimate Delay Reduction Associated with Bus Priority Measures. IEEE Intelligent Transportation Systems Magazine, 2017, 9, 91-101.	3.8	9
31	A Novel Approach For Detecting Symmetries in CSP Models. , 2008, , 158-172.		9
32	A computable semantics for general logic programs. The Journal of Logic Programming, 1989, 6, 269-297.	1.7	8
33	From High-Level Model to Branch-and-Price Solution in G12. , 2008, , 218-232.		8
34	A hybrid method for transportation with stochastic demand. International Journal of Logistics Research and Applications, 2015, 18, 342-354.	8.8	7
35	A Fast and Scalable Algorithm for Scheduling Large Numbers of Devices Under Real-Time Pricing. Lecture Notes in Computer Science, 2018, , 649-666.	1.3	7
36	G12 - Towards the Separation of Problem Modelling and Problem Solving. Lecture Notes in Computer Science, 2009, , 8-10.	1.3	7

#	ARTICLE	IF	CITATIONS
37	Constraint Logic Programming. Foundations of Artificial Intelligence, 2006, , 409-452.	0.9	6
38	Airline planning benchmark problemsâ€™Part II: Passenger groups, utility and demand allocation. Computers and Operations Research, 2013, 40, 793-804.	4.0	6
39	Does Combining Transit Signal Priority with Dedicated Bus Lanes or Queue Jump Lanes at Multiple Intersections Create Multiplier Effects?. Transportation Research Record, 2017, 2647, 80-92.	1.9	6
40	A new constraint programming model and solving for the cyclic hoist scheduling problem. Constraints, 2020, 25, 319-337.	0.7	6
41	An Optimization Model for 3D Pipe Routing with Flexibility Constraints. Lecture Notes in Computer Science, 2017, , 321-337.	1.3	5
42	Constraint Programming. , 2005, , 239-272.		5
43	An informal introduction to constraint database systems (extended abstract). Lecture Notes in Computer Science, 1996, , 7-52.	1.3	4
44	A method for detecting symmetries in constraint models and its generalisation. Constraints, 2015, 20, 235-273.	0.7	4
45	Process Plant Layout Optimization: Equipment Allocation. Lecture Notes in Computer Science, 2018, , 473-489.	1.3	4
46	Modelling with Option Types in MiniZinc. Lecture Notes in Computer Science, 2014, , 88-103.	1.3	4
47	Adding Search to Zinc. Lecture Notes in Computer Science, 2008, , 624-629.	1.3	4
48	Airline planning benchmark problemsâ€™Part I:. Computers and Operations Research, 2013, 40, 775-792.	4.0	2
49	Implementing index data structures using constraint logic programming. Lecture Notes in Computer Science, 1996, , 294-301.	1.3	2
50	Constraint Programming. , 2014, , 369-401.		2
51	Hybrid Algorithms in Constraint Programming. , 2006, , 1-32.		2
52	Magic checking: Constraint checking for database query optimisation. Lecture Notes in Computer Science, 1996, , 148-166.	1.3	2
53	CHIP and Propia. Lecture Notes in Computer Science, 1992, , 507-509.	1.3	0
54	Finding the Right Hybrid Algorithm - A Combinatorial Meta-Problem. Electronic Notes in Discrete Mathematics, 2000, 4, 55-67.	0.4	0

#	ARTICLE	IF	CITATIONS
55	Transport scheduling: Meeting the challenges of scale, complexity and uncertainty. Computers and Operations Research, 2013, 40, 655-656.	4.0	0
56	Core-Guided Model Reformulation. Lecture Notes in Computer Science, 2020, , 445-461.	1.3	0