Mark Wallace

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1113675/publications.pdf

Version: 2024-02-01

56 papers	1,656 citations	471061 17 h-index	301761 39 g-index
63 all docs	63 docs citations	63 times ranked	1571 citing authors

#	Article	IF	Citations
1	A new constraint programming model and solving for the cyclic hoist scheduling problem. Constraints, 2020, 25, 319-337.	0.4	6
2	Core-Guided Model Reformulation. Lecture Notes in Computer Science, 2020, , 445-461.	1.0	0
3	Coordinated Transit Signal Priority Model Considering Stochastic Bus Arrival Time. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1269-1277.	4.7	35
4	A Fast and Scalable Algorithm for Scheduling Large Numbers of Devices Under Real-Time Pricing. Lecture Notes in Computer Science, 2018, , 649-666.	1.0	7
5	Process Plant Layout Optimization: Equipment Allocation. Lecture Notes in Computer Science, 2018, , 473-489.	1.0	4
6	An Optimization Model for 3D Pipe Routing with Flexibility Constraints. Lecture Notes in Computer Science, 2017, , 321-337.	1.0	5
7	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.	2.9	19
8	Analytical Approach to Estimate Delay Reduction Associated with Bus Priority Measures. IEEE Intelligent Transportation Systems Magazine, 2017, 9, 91-101.	2.6	9
9	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.	1.0	6
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.	2.0	34
11	Land use, transport, and population health: estimating the health benefits of compact cities. Lancet, The, 2016, 388, 2925-2935.	6.3	369
12	Improved Linearization of Constraint Programming Models. Lecture Notes in Computer Science, 2016, , 49-65.	1.0	18
13	A hybrid method for transportation with stochastic demand. International Journal of Logistics Research and Applications, 2015, 18, 342-354.	5.6	7
14	A method for detecting symmetries in constraint models and its generalisation. Constraints, 2015, 20, 235-273.	0.4	4
15	Improved Optimal and Approximate Power Graph Compression for Clearer Visualisation of Dense Graphs. , 2014, , .		14
16	A Lagrangian-ACO matheuristic for car sequencing. EURO Journal on Computational Optimization, 2014, 2, 279-296.	1.5	18
17	Lightweight dynamic symmetry breaking. Constraints, 2014, 19, 195-242.	0.4	14
18	The future of optimization technology. Constraints, 2014, 19, 126-138.	0.4	11

#	Article	IF	Citations
19	A lagrangian relaxation and ACO hybrid for resource constrained project scheduling with discounted cash flows. Journal of Heuristics, 2014, 20, 643-676.	1.1	20
20	Constraint Programming. , 2014, , 369-401.		2
21	Modelling with Option Types in MiniZinc. Lecture Notes in Computer Science, 2014, , 88-103.	1.0	4
22	Solving RCPSP/max by lazy clause generation. Journal of Scheduling, 2013, 16, 273-289.	1.3	55
23	Learning crew scheduling constraints from historical schedules. Transportation Research Part C: Emerging Technologies, 2013, 26, 214-232.	3.9	14
24	Airline planning benchmark problemsâ€"Part I:. Computers and Operations Research, 2013, 40, 775-792.	2.4	2
25	Airline planning benchmark problemsâ€"Part II: Passenger groups, utility and demand allocation. Computers and Operations Research, 2013, 40, 793-804.	2.4	6
26	Transport scheduling: Meeting the challenges of scale, complexity and uncertainty. Computers and Operations Research, 2013, 40, 655-656.	2.4	0
27	Dantzig-Wolfe decomposition and branch-and-price solving in G12. Constraints, 2011, 16, 77-99.	0.4	18
28	Explaining the cumulative propagator. Constraints, 2011, 16, 250-282.	0.4	66
29	Integrating Operations Research in Constraint Programming. Annals of Operations Research, 2010, 175, 37-76.	2.6	42
30	On implementing symmetry detection. Constraints, 2009, 14, 443-477.	0.4	16
31	G12 - Towards the Separation of Problem Modelling and Problem Solving. Lecture Notes in Computer Science, 2009, , 8-10.	1.0	7
32	The Design of the Zinc Modelling Language. Constraints, 2008, 13, 229-267.	0.4	101
33	The Effects of the Social Structure of Digital Networks on Viral Marketing Performance. Information Systems Research, 2008, 19, 273-290.	2.2	256
34	A Novel Approach For Detecting Symmetries in CSP Models. , 2008, , 158-172.		9
35	From High-Level Model to Branch-and-Price Solution in G12. , 2008, , 218-232.		8
36	Adding Search to Zinc. Lecture Notes in Computer Science, 2008, , 624-629.	1.0	4

#	Article	IF	Citations
37	The Modelling Language Zinc. Lecture Notes in Computer Science, 2006, , 700-705.	1.0	19
38	Constraint Logic Programming. Foundations of Artificial Intelligence, 2006, , 409-452.	0.9	6
39	Integrating operations research in constraint programming. 4or, 2006, 4, 175-219.	1.0	20
40	Hybrid Algorithms in Constraint Programming. , 2006, , 1-32.		2
41	From Zinc to Design Model. Lecture Notes in Computer Science, 2006, , 215-229.	1.0	10
42	Constraint Programming. , 2005, , 239-272.		5
43	On Benchmarking Constraint Logic Programming Platforms. Response to Fernandez and Hill's â€œA Comparative Study of Eight Constraint Programming Languages over the Boolean and Finite Domainsâ€. Constraints, 2004, 9, 5-34.	0.4	12
44	Constraint Logic Programming. Lecture Notes in Computer Science, 2002, , 512-532.	1.0	9
45	Finding the Right Hybrid Algorithm â€“ A Combinatorial Meta-Problem. Annals of Mathematics and Artificial Intelligence, 2002, 34, 259-269.	0.9	14
46	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling. Constraints, 2000, 5, 359-388.	0.4	94
47	Finding the Right Hybrid Algorithm - A Combinatorial Meta-Problem. Electronic Notes in Discrete Mathematics, 2000, 4, 55-67.	0.4	0
48	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems. Lecture Notes in Computer Science, 1998, , 385-399.	1.0	31
49	Practical applications of constraint programming. Constraints, 1996, 1, 139-168.	0.4	135
50	An informal introduction to constraint database systems (extended abstract). Lecture Notes in Computer Science, 1996, , 7-52.	1.0	4
51	Implementing index data structures using constraint logic programming. Lecture Notes in Computer Science, 1996, , 294-301.	1.0	2
52	Magic checking: Constraint checking for database query optimisation. Lecture Notes in Computer Science, 1996, , 148-166.	1.0	2
53	Tight, consistent, and computable completions for unrestricted logic programs. The Journal of Logic Programming, 1993, 15, 243-273.	1.9	17
54	Generalized constraint propagation over the CLP scheme. The Journal of Logic Programming, 1993, 16, 319-359.	1.9	32

#	Article	IF	Citations
55	CHIP and Propia. Lecture Notes in Computer Science, 1992, , 507-509.	1.0	0
56	A computable semantics for general logic programs. The Journal of Logic Programming, 1989, 6, 269-297.	1.9	8