Patrick De Causmaecker

List of Publications by Year in Descending Order

91 papers	3,301 citations	30 h-index	56 g-index
101 ext. papers	3,614 ext. citations	3 avg, IF	5.01 L-index

#	Paper	IF	Citations
91	Local search for constrained graph clustering in biological networks. *Computers and Operations Research*, **2021**, 132, 105299	4.6	2
90	Minimizing makespan on a single machine with release dates and inventory constraints. *European Journal of Operational Research*, **2020**, 286, 115-128	5.6	4
89	A multi-start local search algorithm for the Hamiltonian completion problem on undirected graphs. *Journal of Heuristics*, **2020**, 26, 743-769	1.9	0
88	The intermittent travelling salesman problem. *International Transactions in Operational Research*, **2020**, 27, 525-548	2.9	2
87	Chance-constrained admission scheduling of elective surgical patients in a dynamic, uncertain setting. *Operations Research for Health Care*, **2019**, 22, 100196	1.8	11
86	A combined approach for analysing heuristic algorithms. *Journal of Heuristics*, **2019**, 25, 591-628	1.9	4
85	The Second International Nurse Rostering Competition. *Annals of Operations Research*, **2019**, 274, 171-186	3.2	15
84	A Metaheuristic Approach to Compute Pure Nash Equilibria. *Studies in Computational Intelligence*, **2019**, 221-233	0.8	
83	Declarative Local Search for Predicate Logic. *Lecture Notes in Computer Science*, **2019**, 340-346	0.9	
82	Adaptive Multi-objective Local Search Algorithms for the Permutation Flowshop Scheduling Problem. *Lecture Notes in Computer Science*, **2019**, 241-256	0.9	1
81	**2019**,		3
80	The impact of solution representations on heuristic net present value optimization in discrete time/cost trade-off project scheduling with multiple cash flow and payment models. *Computers and Operations Research*, **2019**, 103, 184-197	4.6	10
79	Analysis of Algorithm Components and Parameters: Some Case Studies. *Lecture Notes in Computer Science*, **2019**, 288-303	0.9	1
78	Evidence for Precursors of the Coronal Hole Jets in Solar Bright Points. *Astrophysical Journal Letters*, **2018**, 855, L21	7.9	6
77	A Re-characterization of Hyper-Heuristics. *Operations Research/ Computer Science Interfaces Series*, **2018**, 75-89	0.3	3
76	Applying Algorithm Selection a Case Study for the Generalised Assignment Problem. *Electronic Notes in Discrete Mathematics*, **2018**, 69, 205-212	0.3	4
75	Long-period oscillations of active region patterns: least-squares mapping on second-order curves. *Astronomy and Astrophysics*, **2017**, 597, A93	5.1	4

74	Quasi-oscillatory dynamics observed in ascending phase of the flare on March 6, 2012. *Astronomy and Astrophysics*, **2017**, 600, A67	5.1	2
73	Statistical properties of coronal hole rotation rates: Are they linked to the solar interior?. *Astronomy and Astrophysics*, **2017**, 603, A134	5.1	14
72	Data Science Meets Optimization. *Springer Proceedings in Mathematics and Statistics*, **2017**, 13-20	0.2	1
71	Configuring irace using surrogate configuration benchmarks **2017**,		5
70	Good Laboratory Practice for optimization research. *Journal of the Operational Research Society*, **2016**, 67, 676-689	2	54
69	A study of decision support models for online patient-to-room assignment planning. *Annals of Operations Research*, **2016**, 239, 253-271	3.2	12
68	Polynomially solvable personnel rostering problems. *European Journal of Operational Research*, **2016**, 249, 67-75	5.6	14
67	Characterization of Neighborhood Behaviours in a Multi-neighborhood Local Search Algorithm. *Lecture Notes in Computer Science*, **2016**, 234-239	0.9	3
66	A Combinatorial Benders? decomposition for the lock scheduling problem. *Computers and Operations Research*, **2015**, 54, 117-128	4.6	38
65	A learning-based optimization approach to multi-project scheduling. *Journal of Scheduling*, **2015**, 18, 61-74	1.6	21
64	Formation and evolution of coronal rain observed by SDO/AIA on February 22, 2012. *Astronomy and Astrophysics*, **2015**, 577, A136	5.1	22
63	Learning a Hidden Markov Model-Based Hyper-heuristic. *Lecture Notes in Computer Science*, **2015**, 74-88	0.9	
62	An automatic algorithm selection approach for the multi-mode resource-constrained project scheduling problem. *European Journal of Operational Research*, **2014**, 233, 511-528	5.6	42
61	Modelling and evaluation issues in nurse rostering. *Annals of Operations Research*, **2014**, 218, 303-326	3.2	28
60	Exact and heuristic methods for placing ships in locks. *European Journal of Operational Research*, **2014**, 235, 387-398	5.6	36
59	The generalized lock scheduling problem: An exact approach. *Transportation Research, Part E: Logistics and Transportation Review*, **2014**, 65, 16-34	9	37
58	The first international nurse rostering competition 2010. *Annals of Operations Research*, **2014**, 218, 221-236	3.2	44
57	Fast approximation of reach hierarchies in networks **2014**,		1

56	A new hyper-heuristic as a general problem solver: an implementation in HyFlex. *Journal of Scheduling*, **2013**, 16, 291-311	1.6	19
55	Nurse Rostering: A Complex Example of Personnel Scheduling with Perspectives. *Studies in Computational Intelligence*, **2013**, 129-153	0.8	5
54	An investigation on the generality level of selection hyper-heuristics under different empirical conditions. *Applied Soft Computing Journal*, **2013**, 13, 3335-3353	7.5	18
53	An improved best-fit heuristic for the orthogonal strip packing problem. *International Transactions in Operational Research*, **2013**, 20, 711-730	2.9	14
52	Boosting Metaheuristic Search Using Reinforcement Learning. *Studies in Computational Intelligence*, **2013**, 433-452	0.8	8
51	Tour Suggestion for Outdoor Activities. *Lecture Notes in Computer Science*, **2013**, 54-63	0.9	6
50	Real-world production scheduling for the food industry: An integrated approach. *Engineering Applications of Artificial Intelligence*, **2012**, 25, 222-228	7.2	33
49	Outlier detection in relational data: A case study in geographical information systems. *Expert Systems With Applications*, **2012**, 39, 4718-4728	7.8	11
48	A hyperheuristic approach to examination timetabling problems: benchmarks and a new problem from practice. *Journal of Scheduling*, **2012**, 15, 83-103	1.6	30
47	Towards a reference model for timetabling and rostering. *Annals of Operations Research*, **2012**, 194, 167-176	3.2	13
46	Local search neighbourhoods for dealing with a novel nurse rostering model. *Annals of Operations Research*, **2012**, 194, 33-57	3.2	36
45	Ubiquitous web navigation through harvesting embedded semantic data: A mobile scenario. *Integrated Computer-Aided Engineering*, **2012**, 19, 93-109	5.2	18
44	An unbiased evaluation of gene prioritization tools. *Bioinformatics*, **2012**, 28, 3081-8	7.2	72
43	Mashups by orchestration and widget-based personal environments. *Data Technologies and Applications*, **2012**, 46, 383-428		16
42	The Effect of the Set of Low-Level Heuristics on the Performance of Selection Hyper-heuristics. *Lecture Notes in Computer Science*, **2012**, 408-417	0.9	7
41	Fast Permutation Learning. *Lecture Notes in Computer Science*, **2012**, 292-306	0.9	3
40	An Intelligent Hyper-Heuristic Framework for CHeSC 2011. *Lecture Notes in Computer Science*, **2012**, 461-466		22
39	Scheduling algorithms for the lock scheduling problem. *Procedia, Social and Behavioral Sciences*, **2011**, 20, 806-815		22

38	A categorisation of nurse rostering problems. *Journal of Scheduling*, **2011**, 14, 3-16	1.6	76
37	Visualization of networked collaboration in digital ecosystems through two-mode network patterns **2011**,		3
36	Mashups and widget orchestration **2011**,		6
35	A guide to web tools to prioritize candidate genes. *Briefings in Bioinformatics*, **2011**, 12, 22-32	13.4	139
34	Formal modelling, knowledge representation and reasoning for design and development of user-centric pervasive software: a meta-review. *International Journal of Metadata, Semantics and Ontologies*, **2011**, 6, 96	0.6	7
33	Learning agents for the multi-mode project scheduling problem. *Journal of the Operational Research Society*, **2011**, 62, 281-290	2	30
32	Ontology-Driven Adaptive and Pervasive Learning Environments APLEs: An Interdisciplinary Approach. *Communications in Computer and Information Science*, **2011**, 99-115	0.3	2
31	Omega Loops of Proteins in Homo Sapiens: Role in Diseases. *Communications in Computer and Information Science*, **2011**, 362-367	0.3	
30	Hyper-heuristics with a dynamic heuristic set for the home care scheduling problem **2010**,		10
29	A multi-objective approach for robust airline scheduling. *Computers and Operations Research*, **2010**, 37, 822-832	4.6	71
28	A hybrid tabu search algorithm for automatically assigning patients to beds. *Artificial Intelligence in Medicine*, **2010**, 48, 61-70	7.4	73
27	Semantic Mash-Up Personal and Pervasive Learning Environments (SMupple). *Lecture Notes in Computer Science*, **2010**, 501-504	0.9	5
26	Utilizing Embedded Semantics for User-Driven Design of Pervasive Environments. *Communications in Computer and Information Science*, **2010**, 63-77	0.3	2
25	Multi-facade and Ubiquitous Web Navigation and Access through Embedded Semantics. *Lecture Notes in Computer Science*, **2010**, 272-289	0.9	
24	A decomposed metaheuristic approach for a real-world university timetabling problem. *European Journal of Operational Research*, **2009**, 195, 307-318	5.6	43
23	Merging model driven and ontology driven system development approaches pervasive computing perspective **2009**,		9
22	Context and Adaptivity in Context-Aware Pervasive Computing Environments **2009**,		9
21	Embedded Semantics Empowering Context-Aware Pervasive Computing Environments **2009**,		2

20	Context and Adaptivity in Pervasive Computing Environments: Links with Software Engineering and Ontological Engineering. *Journal of Software*, **2009**, 4,	3	43
19	METAHEURISTICS FOR HANDLING TIME INTERVAL COVERAGE CONSTRAINTS IN NURSE SCHEDULING. *Applied Artificial Intelligence*, **2006**, 20, 743-766	2.3	51
18	A Multi Agent System to Control Complexity in Multi Modal Transport **2006**,		4
17	Designing trust with software agents: A case study. *Journal of Information Communication and Ethics in Society*, **2006**, 4, 37-48	1.2	
16	Semantic Components for Timetabling. *Lecture Notes in Computer Science*, **2005**, 17-33	0.9	3
15	The State of the Art of Nurse Rostering. *Journal of Scheduling*, **2004**, 7, 441-499	1.6	520
14	Relaxation of Coverage Constraints in Hospital Personnel Rostering. *Lecture Notes in Computer Science*, **2003**, 129-147	0.9	11
13	Variable Neighborhood Search for Nurse Rostering Problems. *Applied Optimization*, **2003**, 153-172		24
12	A Memetic Approach to the Nurse Rostering Problem. *Applied Intelligence*, **2001**, 15, 199-214	4.9	120
11	A Hybrid Tabu Search Algorithm for the Nurse Rostering Problem. *Lecture Notes in Computer Science*, **1999**, 187-194	0.9	51
10	Multiple bremsstrahlung in gauge theories at high energies. *Nuclear Physics B*, **1986**, 264, 243-264	2.8	55
9	Multiple bremsstrahlung in gauge theories at high energies. *Nuclear Physics B*, **1986**, 264, 265-276	2.8	57
8	Multiple bremsstrahlung in gauge theories at high energies. *Nuclear Physics B*, **1984**, 239, 382-394	2.8	65
7	Multiple bremsstrahlung in gauge theories at high energies. *Nuclear Physics B*, **1984**, 239, 395-409	2.8	75
6	Multiple bremsstrahlung in gauge theories at high energies (I). General formalism for quantum electrodynamics. *Nuclear Physics B*, **1982**, 206, 53-60	2.8	249
5	Multiple bremsstrahlung in gauge theories at high energies (II). Single bremsstrahlung. *Nuclear Physics B*, **1982**, 206, 61-89	2.8	195
4	Four-jet production in e+e–annihilation. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1982**, 114, 203-207	4.2	45
3	Single bremsstrahlung processes in gauge theories. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1981**, 103, 124-128	4.2	335

2   Helicity amplitudes for massless QED. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1981**, 105, 215-218   4.2   108

1   A multi criteria meta-heuristic approach to nurse rostering   4