Patrick De Causmaecker

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	The State of the Art of Nurse Rostering. *Journal of Scheduling*, **2004**, 7, 441-499	1.6	520
90	Single bremsstrahlung processes in gauge theories. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1981**, 103, 124-128	4.2	335
89	Multiple bremsstrahlung in gauge theories at high energies (I). General formalism for quantum electrodynamics. *Nuclear Physics B*, **1982**, 206, 53-60	2.8	249
88	Multiple bremsstrahlung in gauge theories at high energies (II). Single bremsstrahlung. *Nuclear Physics B*, **1982**, 206, 61-89	2.8	195
87	A guide to web tools to prioritize candidate genes. *Briefings in Bioinformatics*, **2011**, 12, 22-32	13.4	139
86	A Memetic Approach to the Nurse Rostering Problem. *Applied Intelligence*, **2001**, 15, 199-214	4.9	120
85	Helicity amplitudes for massless QED. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1981**, 105, 215-218	4.2	108
84	A categorisation of nurse rostering problems. *Journal of Scheduling*, **2011**, 14, 3-16	1.6	76
83	Multiple bremsstrahlung in gauge theories at high energies. *Nuclear Physics B*, **1984**, 239, 395-409	2.8	75
82	A hybrid tabu search algorithm for automatically assigning patients to beds. *Artificial Intelligence in Medicine*, **2010**, 48, 61-70	7.4	73
81	An unbiased evaluation of gene prioritization tools. *Bioinformatics*, **2012**, 28, 3081-8	7.2	72
80	A multi-objective approach for robust airline scheduling. *Computers and Operations Research*, **2010**, 37, 822-832	4.6	71
79	Multiple bremsstrahlung in gauge theories at high energies. *Nuclear Physics B*, **1984**, 239, 382-394	2.8	65
78	Multiple bremsstrahlung in gauge theories at high energies. *Nuclear Physics B*, **1986**, 264, 265-276	2.8	57
77	Multiple bremsstrahlung in gauge theories at high energies. *Nuclear Physics B*, **1986**, 264, 243-264	2.8	55
76	Good Laboratory Practice for optimization research. *Journal of the Operational Research Society*, **2016**, 67, 676-689	2	54
75	METAHEURISTICS FOR HANDLING TIME INTERVAL COVERAGE CONSTRAINTS IN NURSE SCHEDULING. *Applied Artificial Intelligence*, **2006**, 20, 743-766	2.3	51

74	A Hybrid Tabu Search Algorithm for the Nurse Rostering Problem. *Lecture Notes in Computer Science*, **1999**, 187-194	0.9	51
73	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
72	The first international nurse rostering competition 2010. *Annals of Operations Research*, **2014**, 218, 221-236	3.2	44
71	A decomposed metaheuristic approach for a real-world university timetabling problem. *European Journal of Operational Research*, **2009**, 195, 307-318	5.6	43
70	Context and Adaptivity in Pervasive Computing Environments: Links with Software Engineering and Ontological Engineering. *Journal of Software*, **2009**, 4,	3	43
69	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
68	A Combinatorial Benders? decomposition for the lock scheduling problem. *Computers and Operations Research*, **2015**, 54, 117-128	4.6	38
67	The generalized lock scheduling problem: An exact approach. *Transportation Research, Part E: Logistics and Transportation Review*, **2014**, 65, 16-34	9	37
66	Exact and heuristic methods for placing ships in locks. *European Journal of Operational Research*, **2014**, 235, 387-398	5.6	36
65	Local search neighbourhoods for dealing with a novel nurse rostering model. *Annals of Operations Research*, **2012**, 194, 33-57	3.2	36
64	Real-world production scheduling for the food industry: An integrated approach. *Engineering Applications of Artificial Intelligence*, **2012**, 25, 222-228	7.2	33
63	A hyperheuristic approach to examination timetabling problems: benchmarks and a new problem from practice. *Journal of Scheduling*, **2012**, 15, 83-103	1.6	30
62	Learning agents for the multi-mode project scheduling problem. *Journal of the Operational Research Society*, **2011**, 62, 281-290	2	30
61	Modelling and evaluation issues in nurse rostering. *Annals of Operations Research*, **2014**, 218, 303-326	3.2	28
60	Variable Neighborhood Search for Nurse Rostering Problems. *Applied Optimization*, **2003**, 153-172		24
59	Formation and evolution of coronal rain observed by SDO/AIA on February 22, 2012. *Astronomy and Astrophysics*, **2015**, 577, A136	5.1	22
58	Scheduling algorithms for the lock scheduling problem. *Procedia, Social and Behavioral Sciences*, **2011**, 20, 806-815		22
57	An Intelligent Hyper-Heuristic Framework for CHeSC 2011. *Lecture Notes in Computer Science*, **2012**, 461-466	0.9	22

56	A learning-based optimization approach to multi-project scheduling. *Journal of Scheduling*, **2015**, 18, 61-74	1.6	21
55	A new hyper-heuristic as a general problem solver: an implementation in HyFlex. *Journal of Scheduling*, **2013**, 16, 291-311	1.6	19
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	Ubiquitous web navigation through harvesting embedded semantic data: A mobile scenario. *Integrated Computer-Aided Engineering*, **2012**, 19, 93-109	5.2	18
52	Mashups by orchestration and widget-based personal environments. *Data Technologies and Applications*, **2012**, 46, 383-428		16
51	The Second International Nurse Rostering Competition. *Annals of Operations Research*, **2019**, 274, 171-186	3.2	15
50	Polynomially solvable personnel rostering problems. *European Journal of Operational Research*, **2016**, 249, 67-75	5.6	14
49	Statistical properties of coronal hole rotation rates: Are they linked to the solar interior?. *Astronomy and Astrophysics*, **2017**, 603, A134	5.1	14
48	An improved best-fit heuristic for the orthogonal strip packing problem. *International Transactions in Operational Research*, **2013**, 20, 711-730	2.9	14
47	Towards a reference model for timetabling and rostering. *Annals of Operations Research*, **2012**, 194, 167-176	3.2	13
46	A study of decision support models for online patient-to-room assignment planning. *Annals of Operations Research*, **2016**, 239, 253-271	3.2	12
45	Chance-constrained admission scheduling of elective surgical patients in a dynamic, uncertain setting. *Operations Research for Health Care*, **2019**, 22, 100196	1.8	11
44	Outlier detection in relational data: A case study in geographical information systems. *Expert Systems With Applications*, **2012**, 39, 4718-4728	7.8	11
43	Relaxation of Coverage Constraints in Hospital Personnel Rostering. *Lecture Notes in Computer Science*, **2003**, 129-147	0.9	11
42	Hyper-heuristics with a dynamic heuristic set for the home care scheduling problem **2010**,		10
41	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
40	Merging model driven and ontology driven system development approaches pervasive computing perspective **2009**,		9
39	Context and Adaptivity in Context-Aware Pervasive Computing Environments **2009**,		9

38	Boosting Metaheuristic Search Using Reinforcement Learning. *Studies in Computational Intelligence*, **2013**, 433-452	0.8	8
37	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
36	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
35	Evidence for Precursors of the Coronal Hole Jets in Solar Bright Points. *Astrophysical Journal Letters* , **2018**, 855, L21	7.9	6
34	Mashups and widget orchestration **2011**,		6
33	Tour Suggestion for Outdoor Activities. *Lecture Notes in Computer Science*, **2013**, 54-63	0.9	6
32	Nurse Rostering: A Complex Example of Personnel Scheduling with Perspectives. *Studies in Computational Intelligence*, **2013**, 129-153	0.8	5
31	Configuring irace using surrogate configuration benchmarks **2017**,		5
30	Semantic Mash-Up Personal and Pervasive Learning Environments (SMupple). *Lecture Notes in Computer Science*, **2010**, 501-504	0.9	5
29	Long-period oscillations of active region patterns: least-squares mapping on second-order curves. *Astronomy and Astrophysics*, **2017**, 597, A93	5.1	4
28	Minimizing makespan on a single machine with release dates and inventory constraints. *European Journal of Operational Research*, **2020**, 286, 115-128	5.6	4
27	A combined approach for analysing heuristic algorithms. *Journal of Heuristics*, **2019**, 25, 591-628	1.9	4
26	A Multi Agent System to Control Complexity in Multi Modal Transport **2006**,		4
25	A multi criteria meta-heuristic approach to nurse rostering		4
24	Applying Algorithm Selection Case Study for the Generalised Assignment Problem. *Electronic Notes in Discrete Mathematics*, **2018**, 69, 205-212	0.3	4
23	Visualization of networked collaboration in digital ecosystems through two-mode network patterns **2011**,		3
22	A Re-characterization of Hyper-Heuristics. *Operations Research/ Computer Science Interfaces Series*, **2018**, 75-89	0.3	3
21	Fast Permutation Learning. *Lecture Notes in Computer Science*, **2012**, 292-306	0.9	3

20	Characterization of Neighborhood Behaviours in a Multi-neighborhood Local Search Algorithm. *Lecture Notes in Computer Science*, **2016**, 234-239	0.9	3
19	**2019**,		3
18	Semantic Components for Timetabling. *Lecture Notes in Computer Science*, **2005**, 17-33	0.9	3
17	Quasi-oscillatory dynamics observed in ascending phase of the flare on March 6, 2012. *Astronomy and Astrophysics*, **2017**, 600, A67	5.1	2
16	Embedded Semantics Empowering Context-Aware Pervasive Computing Environments **2009**,		2
15	Ontology-Driven Adaptive and Pervasive Learning Environments APLEs: An Interdisciplinary Approach. *Communications in Computer and Information Science*, **2011**, 99-115	0.3	2
14	Utilizing Embedded Semantics for User-Driven Design of Pervasive Environments. *Communications in Computer and Information Science*, **2010**, 63-77	0.3	2
13	The intermittent travelling salesman problem. *International Transactions in Operational Research*, **2020**, 27, 525-548	2.9	2
12	Local search for constrained graph clustering in biological networks. *Computers and Operations Research*, **2021**, 132, 105299	4.6	2
11	Data Science Meets Optimization. *Springer Proceedings in Mathematics and Statistics*, **2017**, 13-20	0.2	1
10	Fast approximation of reach hierarchies in networks **2014**,		1
9	Adaptive Multi-objective Local Search Algorithms for the Permutation Flowshop Scheduling Problem. *Lecture Notes in Computer Science*, **2019**, 241-256	0.9	1
8	Analysis of Algorithm Components and Parameters: Some Case Studies. *Lecture Notes in Computer Science*, **2019**, 288-303	0.9	1
7	A multi-start local search algorithm for the Hamiltonian completion problem on undirected graphs. *Journal of Heuristics*, **2020**, 26, 743-769	1.9	0
6	Designing trust with software agents: A case study. *Journal of Information Communication and Ethics in Society*, **2006**, 4, 37-48	1.2	
5	A Metaheuristic Approach to Compute Pure Nash Equilibria. *Studies in Computational Intelligence*, **2019**, 221-233	0.8	
4	Declarative Local Search for Predicate Logic. *Lecture Notes in Computer Science*, **2019**, 340-346	0.9	
3	Learning a Hidden Markov Model-Based Hyper-heuristic. *Lecture Notes in Computer Science*, **2015**, 74-88	0.9	

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2	Multi-facade and Ubiquitous Web Navigation and Access through Embedded Semantics. *Lecture Notes in Computer Science*, **2010**, 272-289	0.9
1	Omega Loops of Proteins in Homo Sapiens: Role in Diseases. *Communications in Computer and Information Science*, **2011**, 362-367	0.3