

# Aziz Moukrim

## List of Publications by Year in descending order

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65  
papers

1,186  
citations

394421

19  
h-index

395702

33  
g-index

65  
all docs

65  
docs citations

65  
times ranked

821  
citing authors

#	ARTICLE	IF	CITATIONS
1	GRASP&EILS and set cover hybrid heuristic for the synchronized team orienteering problem with time windows. International Transactions in Operational Research, 2023, 30, 946-969.	2.7	2
2	Exact method for the two-machine flow-shop problem with time delays. Annals of Operations Research, 2021, 298, 375-406.	4.1	2
3	The student scheduling problem at Universit� de Technologie de Compi�gne. Expert Systems With Applications, 2021, 175, 114735.	7.6	1
4	Polynomial algorithms for some scheduling problems with one nonrenewable resource. RAIRO - Operations Research, 2021, 55, 3493-3511.	1.8	0
5	Effective neighborhood search with optimal splitting and adaptive memory for the team orienteering problem with time windows. Computers and Operations Research, 2020, 123, 105039.	4.0	10
6	A PSO based algorithm with an efficient optimal split procedure for the multiperiod vehicle routing problem with profit. Annals of Operations Research, 2020, 291, 281-316.	4.1	14
7	The clustered team orienteering problem. Computers and Operations Research, 2019, 111, 386-399.	4.0	13
8	Lower bounds and compact mathematical formulations for spacing soft constraints for university examination timetabling problems. Computers and Operations Research, 2019, 106, 133-142.	4.0	7
9	A variable space search heuristic for the Capacitated Team Orienteering Problem. Journal of Heuristics, 2019, 25, 273-303.	1.4	12
10	Hybrid Heuristic for the Clustered Orienteering Problem. Lecture Notes in Computer Science, 2017, , 19-33.	1.3	1
11	Solving the team orienteering problem with cutting planes. Computers and Operations Research, 2016, 74, 21-30.	4.0	45
12	An adaptive heuristic for the Capacitated Team Orienteering Problem. IFAC-PapersOnLine, 2016, 49, 1662-1666.	0.9	4
13	A matheuristic for exam timetabling. IFAC-PapersOnLine, 2016, 49, 1289-1294.	0.9	3
14	Heuristic solutions for the vehicle routing problem with time windows and synchronized visits. Optimization Letters, 2016, 10, 511-525.	1.6	68
15	An effective branch-and-price algorithm for the Preemptive Resource Constrained Project Scheduling Problem based on minimal Interval Order Enumeration. European Journal of Operational Research, 2015, 244, 360-368.	5.7	27
16	Preprocessing and an improved MIP model for examination timetabling. Annals of Operations Research, 2015, 229, 19-40.	4.1	8
17	Branch and Price for Preemptive and Non Preemptive RCPSP Based on Interval Orders on Precedence Graphs. Studies in Computational Intelligence, 2015, , 85-106.	0.9	1
18	Storage Resources. , 2015, , 177-189.		4

#	ARTICLE	IF	CITATIONS
19	Branch and price with constraint propagation for Resource Constrained Project Scheduling Problem. , 2014, , .		0
20	A branch and bound algorithm for the two-machine flowshop problem with unit-time operations and time delays. RAIRO - Operations Research, 2014, 48, 235-254.	1.8	9
21	New Lower Bounds on the Number of Vehicles for the Vehicle Routing Problem with Time Windows. Lecture Notes in Computer Science, 2014, , 422-437.	1.3	2
22	Memetic Algorithm with an Efficient Split Procedure for the Team Orienteering Problem with Time Windows. Lecture Notes in Computer Science, 2014, , 183-194.	1.3	2
23	A Memetic Algorithm for staff scheduling problem in airport security service. Expert Systems With Applications, 2013, 40, 7504-7512.	7.6	42
24	An effective PSO-inspired algorithm for the team orienteering problem. European Journal of Operational Research, 2013, 229, 332-344.	5.7	98
25	A Simulated Annealing Algorithm for the Vehicle Routing Problem with Time Windows and Synchronization Constraints. Lecture Notes in Computer Science, 2013, , 259-265.	1.3	24
26	A Branch-and-Cut Algorithm for Solving the Team Orienteering Problem. Lecture Notes in Computer Science, 2013, , 332-339.	1.3	27
27	A New Graph-Theoretical Model for the Guillotine-Cutting Problem. INFORMS Journal on Computing, 2013, 25, 72-86.	1.7	6
28	Staff scheduling in airport security service. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1413-1418.	0.4	5
29	Subgraph extraction and metaheuristics for the maximum clique problem. Journal of Heuristics, 2012, 18, 767-794.	1.4	9
30	Exact methods for the robotic cell problem. Flexible Services and Manufacturing Journal, 2011, 23, 242-261.	3.4	8
31	A PSO-Based Memetic Algorithm for the Team Orienteering Problem. Lecture Notes in Computer Science, 2011, , 471-480.	1.3	19
32	An optimization-based heuristic for the robotic cell problem. European Journal of Operational Research, 2010, 202, 636-645.	5.7	38
33	Lower Bounds for the Minimal Sum Coloring Problem. Electronic Notes in Discrete Mathematics, 2010, 36, 663-670.	0.4	18
34	A memetic algorithm for the team orienteering problem. 4or, 2010, 8, 49-70.	1.6	82
35	Exact resolution of the one-machine sequencing problem with no machine idle time. Computers and Industrial Engineering, 2010, 59, 193-199.	6.3	18
36	Exact Method for Robotic Cell Problem. Electronic Notes in Discrete Mathematics, 2010, 36, 859-866.	0.4	9

#	ARTICLE	IF	CITATIONS
37	New data-dependent dual-feasible functions and lower bounds for a two-dimensional bin-packing problem. International Journal of Production Research, 2009, 47, 537-560.	7.5	6
38	A polynomial algorithm for recognizing the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" display="inline" overflow="scroll"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{mathvariant="script"} \rangle A \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle m \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle \text{-order class}$ . Discrete Mathematics, 2009, 309, 4200-4204.	0.7	0
39	The project scheduling problem with production and consumption of resources: A list-scheduling based algorithm. Discrete Applied Mathematics, 2009, 157, 3631-3642.	0.9	19
40	An MILP for scheduling problems in an FMS with one vehicle. European Journal of Operational Research, 2009, 199, 706-722.	5.7	78
41	A new constraint programming approach for the orthogonal packing problem. Computers and Operations Research, 2008, 35, 944-959.	4.0	67
42	New resolution algorithm and pretreatments for the two-dimensional bin-packing problem. Computers and Operations Research, 2008, 35, 3184-3201.	4.0	24
43	A new combinatorial approach for coordinating aerial conflicts given uncertainties regarding aircraft speeds. International Journal of Production Economics, 2008, 112, 226-235.	8.9	6
44	A Memetic Algorithm for the Team Orienteering Problem. Lecture Notes in Computer Science, 2008, , 649-658.	1.3	3
45	A New Graph-Theoretical Model for k-Dimensional Guillotine-Cutting Problems. , 2008, , 43-54.		2
46	New reduction procedures and lower bounds for the two-dimensional bin packing problem with fixed orientation. Computers and Operations Research, 2007, 34, 2223-2250.	4.0	63
47	A new exact method for the two-dimensional orthogonal packing problem. European Journal of Operational Research, 2007, 183, 1196-1211.	5.7	64
48	A new exact method for the two-dimensional bin-packing problem with fixed orientation. Operations Research Letters, 2007, 35, 357-364.	0.7	18
49	Hybrid Evolutionary Algorithm With Insertion Heuristics For The Flexible Job Shop Problem. , 2006, , .		2
50	An exact method for graph coloring. Computers and Operations Research, 2006, 33, 2189-2207.	4.0	21
51	Optimal preemptive scheduling on a fixed number of identical parallel machines. Operations Research Letters, 2005, 33, 143-150.	0.7	12
52	The Coffman-Graham Algorithm Optimally Solves UET Task Systems with Overinterval Orders. SIAM Journal on Discrete Mathematics, 2005, 19, 109-121.	0.8	6
53	Simultaneous job input sequencing and vehicle dispatching in a single-vehicle automated guided vehicle system: a heuristic branch-and-bound approach coupled with a discrete events simulation model. International Journal of Production Research, 2005, 43, 1911-1942.	7.5	43
54	Sensitivity analysis of tree scheduling on two machines with communication delays. Parallel Computing, 2004, 30, 103-120.	2.1	16

#	ARTICLE	IF	CITATIONS
55	Heuristic and metaheuristic methods for computing graph treewidth. RAIRO - Operations Research, 2004, 38, 13-26.	1.8	37
56	Scheduling unitary task systems with zero communication delays for quasi-interval orders. Discrete Applied Mathematics, 2003, 127, 461-476.	0.9	3
57	Parallel Machine Scheduling with Uncertain Communication Delays. RAIRO - Operations Research, 2003, 37, 1-16.	1.8	7
58	New Lower and Upper Bounds for Graph Treewidth. Lecture Notes in Computer Science, 2003, , 70-80.	1.3	25
59	Non-preemptive Profile Scheduling and Quasi Interval Orders. Electronic Notes in Discrete Mathematics, 1999, 3, 133-139.	0.4	0
60	Optimal scheduling on parallel machines for a new order class. Operations Research Letters, 1999, 24, 91-95.	0.7	12
61	Scheduling with Communication Delays and On-Line Disturbances. Lecture Notes in Computer Science, 1999, , 350-357.	1.3	7
62	Scheduling with communication delays and data routing in message passing architectures. Lecture Notes in Computer Science, 1998, , 438-451.	1.3	2
63	Introduction to Flexibility and Robustness in Scheduling. , 0, , 15-33.		5
64	Project Scheduling with Production and Consumption of Resources: How to Build Schedules. , 0, , 161-170.		0
65	Sensitivity Analysis for One andm Machines. , 0, , 73-98.		0