List of Publications by Year in descending order

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | An effective PSO-inspired algorithm for the team orienteering problem. European Journal of<br>Operational Research, 2013, 229, 332-344.  | 5.7 | 98        |
| 2  | A memetic algorithm for the team orienteering problem. 4or, 2010, 8, 49-70.  | 1.6 | 82        |
| 3  | An MILP for scheduling problems in an FMS with one vehicle. European Journal of Operational Research, 2009, 199, 706-722.  | 5.7 | 78        |
| 4  | Heuristic solutions for the vehicle routing problem with time windows and synchronized visits.<br>Optimization Letters, 2016, 10, 511-525.   | 1.6 | 68        |
| 5  | A new constraint programming approach for the orthogonal packing problem. Computers and Operations Research, 2008, 35, 944-959.  | 4.0 | 67        |
| 6  | A new exact method for the two-dimensional orthogonal packing problem. European Journal of<br>Operational Research, 2007, 183, 1196-1211.  | 5.7 | 64        |
| 7  | 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        |
| 8  | Solving the team orienteering problem with cutting planes. Computers and Operations Research, 2016, 74, 21-30.   | 4.0 | 45        |
| 9  | 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        |
| 10 | A Memetic Algorithm for staff scheduling problem in airport security service. Expert Systems With Applications, 2013, 40, 7504-7512.   | 7.6 | 42        |
| 11 | An optimization-based heuristic for the robotic cell problem. European Journal of Operational Research, 2010, 202, 636-645.  | 5.7 | 38        |
| 12 | Heuristic and metaheuristic methods for computing graph treewidth. RAIRO - Operations Research, 2004, 38, 13-26.   | 1.8 | 37        |
| 13 | A Branch-and-Cut Algorithm for Solving the Team Orienteering Problem. Lecture Notes in Computer Science, 2013, , 332-339.  | 1.3 | 27        |
| 14 | An effective branch-and-price algorithm for the Preemptive Resource Constrained Project Scheduling<br>Problem based on minimal Interval Order Enumeration. European Journal of Operational Research,<br>2015, 244, 360-368.  | 5.7 | 27        |
| 15 | New Lower and Upper Bounds for Graph Treewidth. Lecture Notes in Computer Science, 2003, , 70-80.  | 1.3 | 25        |
| 16 | New resolution algorithm and pretreatments for the two-dimensional bin-packing problem.<br>Computers and Operations Research, 2008, 35, 3184-3201.   | 4.0 | 24        |
| 17 | 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        |
| 18 | An exact method for graph coloring. Computers and Operations Research, 2006, 33, 2189-2207.  | 4.0 | 21        |

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|----|---|-----|-----------|
| 19 | 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        |
| 20 | A PSO-Based Memetic Algorithm for the Team Orienteering Problem. Lecture Notes in Computer Science, 2011, , 471-480.  | 1.3 | 19        |
| 21 | A new exact method for the two-dimensional bin-packing problem with fixed orientation. Operations<br>Research Letters, 2007, 35, 357-364.   | 0.7 | 18        |
| 22 | Lower Bounds for the Minimal Sum Coloring Problem. Electronic Notes in Discrete Mathematics, 2010,<br>36, 663-670.  | 0.4 | 18        |
| 23 | Exact resolution of the one-machine sequencing problem with no machine idle time. Computers and Industrial Engineering, 2010, 59, 193-199.  | 6.3 | 18        |
| 24 | Sensitivity analysis of tree scheduling on two machines with communication delays. Parallel Computing, 2004, 30, 103-120.   | 2.1 | 16        |
| 25 | 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        |
| 26 | The clustered team orienteering problem. Computers and Operations Research, 2019, 111, 386-399.   | 4.0 | 13        |
| 27 | Optimal scheduling on parallel machines for a new order class. Operations Research Letters, 1999, 24, 91-95.  | 0.7 | 12        |
| 28 | Optimal preemptive scheduling on a fixed number of identical parallel machines. Operations Research<br>Letters, 2005, 33, 143-150.  | 0.7 | 12        |
| 29 | A variable space search heuristic for the Capacitated Team Orienteering Problem. Journal of Heuristics, 2019, 25, 273-303.  | 1.4 | 12        |
| 30 | 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        |
| 31 | Exact Method for Robotic Cell Problem. Electronic Notes in Discrete Mathematics, 2010, 36, 859-866.   | 0.4 | 9         |
| 32 | Subgraph extraction and metaheuristics for the maximum clique problem. Journal of Heuristics, 2012, 18, 767-794.  | 1.4 | 9         |
| 33 | 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         |
| 34 | Exact methods for the robotic cell problem. Flexible Services and Manufacturing Journal, 2011, 23, 242-261.   | 3.4 | 8         |
| 35 | Preprocessing and an improved MIP model for examination timetabling. Annals of Operations Research, 2015, 229, 19-40.   | 4.1 | 8         |
| 36 | Parallel Machine Scheduling with Uncertain Communication Delays. RAIRO - Operations Research, 2003, 37, 1-16.   | 1.8 | 7         |

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|----|---|-----|-----------|
| 37 | 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         |
| 38 | Scheduling with Communication Delays and On-Line Disturbances. Lecture Notes in Computer Science, 1999, , 350-357.  | 1.3 | 7         |
| 39 | The CoffmanGraham Algorithm Optimally Solves UET Task Systems with Overinterval Orders. SIAM<br>Journal on Discrete Mathematics, 2005, 19, 109-121.                                     | 0.8 | 6         |
| 40 | 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         |
| 41 | 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         |
| 42 | A New Graph-Theoretical Model for the Guillotine-Cutting Problem. INFORMS Journal on Computing, 2013, 25, 72-86.  | 1.7 | 6         |
| 43 | Staff scheduling in airport security service. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1413-1418.   | 0.4 | 5         |
| 44 | Introduction to Flexibility and Robustness in Scheduling. , 0, , 15-33.   |     | 5         |
| 45 | An adaptive heuristic for the Capacitated Team Orienteering Problem. IFAC-PapersOnLine, 2016, 49, 1662-1666.  | 0.9 | 4         |
| 46 | Storage Resources. , 2015, , 177-189.   |     | 4         |
| 47 | Scheduling unitary task systems with zero–one communication delays for quasi-interval orders.<br>Discrete Applied Mathematics, 2003, 127, 461-476.                                      | 0.9 | 3         |
| 48 | A Memetic Algorithm for the Team Orienteering Problem. Lecture Notes in Computer Science, 2008, ,<br>649-658.   | 1.3 | 3         |
| 49 | A matheuristic for exam timetabling. IFAC-PapersOnLine, 2016, 49, 1289-1294.  | 0.9 | 3         |
| 50 | Hybrid Evolutionary Algorithm With Insertion Heuristics For The Flexible Job Shop Problem. , 2006, , .  |     | 2         |
| 51 | Exact method for the two-machine flow-shop problem with time delays. Annals of Operations<br>Research, 2021, 298, 375-406.  | 4.1 | 2         |
| 52 | Scheduling with communication delays and data routing in message passing architectures. Lecture<br>Notes in Computer Science, 1998, , 438-451.  | 1.3 | 2         |
| 53 | New Lower Bounds on the Number of Vehicles for the Vehicle Routing Problem with Time Windows.<br>Lecture Notes in Computer Science, 2014, , 422-437.                                    | 1.3 | 2         |
| 54 | Memetic Algorithm with an Efficient Split Procedure for the Team Orienteering Problem with Time<br>Windows. Lecture Notes in Computer Science, 2014, , 183-194.                         | 1.3 | 2         |

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|----|---|-----------------|---------------|
| 55 | A New Graph-Theoretical Model for k-Dimensional Guillotine-Cutting Problems. , 2008, , 43-54.   |                 | 2             |
| 56 | GRASPâ€ILS 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             |
| 57 | Branch and Price for Preemptive and Non Preemptive RCPSP Based on Interval Orders on Precedence<br>Graphs. Studies in Computational Intelligence, 2015, , 85-106.   | 0.9             | 1             |
| 58 | The student scheduling problem at Université de Technologie de Compiègne. Expert Systems With<br>Applications, 2021, 175, 114735.   | 7.6             | 1             |
| 59 | Hybrid Heuristic for the Clustered Orienteering Problem. Lecture Notes in Computer Science, 2017, , 19-33.  | 1.3             | 1             |
| 60 | Non-preemptive Profile Scheduling and Quasi Interval Orders. Electronic Notes in Discrete Mathematics, 1999, 3, 133-139.  | 0.4             | 0             |
| 61 | A polynomial algorithm for recognizing the <mmi:math<br>xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" display="inline"<br/>overflow="scroll"&gt;<mmi:msub><mmi:mrow><mmi:mi<br>mathvariant="script"&gt;A</mmi:mi<br></mmi:mrow></mmi:msub><mmi:mi<br>mathvariant="script"&gt;A<mmi:mrow><mmi:mi>m</mmi:mi></mmi:mrow></mmi:mi<br></mmi:math<br> | 0.7<br>/mml:mat | 0<br>h>-order |
| 62 | Branch and price with constraint propagation for Resource Constrained Project Scheduling Problem.<br>, 2014, , .  |                 | 0             |
| 63 | Polynomial algorithms for some scheduling problems with one nonrenewable resource. RAIRO -<br>Operations Research, 2021, 55, 3493-3511.   | 1.8             | 0             |
| 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             |