# David O Duvivier

## List of Publications by Year
## in descending order

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|---|---|---|---|
| **32** papers | **337** citations | 1163117 **8** h-index | 888059 **17** g-index |
| **33** all docs | **33** docs citations | **33** times ranked | **325** citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Multi-objective operating room scheduling considering desiderata of the surgical team. Decision Support Systems, 2013, 55, 650-659. | 5.9 | 113 |
| 2 | Optimization of preventive maintenance through a combined maintenance-production simulation model. International Journal of Production Economics, 2013, 143, 3-12. | 8.9 | 41 |
| 3 | Scheduling operating theatres: Mixed integer programming vs. constraint programming. European Journal of Operational Research, 2015, 247, 401-413. | 5.7 | 39 |
| 4 | Using constraint programming to schedule an operating theatre. , 2010, , . | | 13 |
| 5 | Multicriteria approach to rank scheduling strategies. International Journal of Production Economics, 2008, 112, 192-201. | 8.9 | 12 |
| 6 | Multicriteria optimisation and simulation: an industrial application. Annals of Operations Research, 2007, 156, 45-60. | 4.1 | 11 |
| 7 | Climbing up NP-hard hills. Lecture Notes in Computer Science, 1996, , 574-583. | 1.3 | 11 |
| 8 | Heuristics for the single machine weighted sum of completion times scheduling problem with periodic maintenance. Computational Optimization and Applications, 2020, 75, 291-320. | 1.6 | 10 |
| 9 | Mathematical formulations for the parallel machine scheduling problem with a single server. International Journal of Production Research, 2021, 59, 6166-6184. | 7.5 | 9 |
| 10 | A Comparative Study of Sorting Algorithms with FPGA Acceleration by High Level Synthesis. Computacion Y Sistemas, 2019, 23, . | 0.3 | 9 |
| 11 | A modeling methodology dedicated to simulation and based on generic meta-models using MDA-UML: an application to a chronic renal dialysis unit. , 2006, , . | | 8 |
| 12 | A variable neighborhood search algorithm for solving the single machine scheduling problem with periodic maintenance. RAIRO - Operations Research, 2019, 53, 289-302. | 1.8 | 8 |
| 13 | Simulation-based performance measurement and analysis: an industrial application. International Journal of Computer Integrated Manufacturing, 2005, 18, 402-407. | 4.6 | 7 |
| 14 | MIP formulations for identical parallel machine scheduling problem with single server. , 2018, , . | | 7 |
| 15 | Variable Neighborhood Search for Identical Parallel Machine Scheduling Problem with a Single Server. Lecture Notes in Computer Science, 2020, , 112-125. | 1.3 | 5 |
| 16 | Optimization Of Matching and Scheduling On Heterogeneous CPU/FPGA Architectures. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1678-1683. | 0.4 | 4 |
| 17 | An Efficient Hardware Implementation of TimSort and MergeSort Algorithms Using High Level Synthesis. , 2017, , . | | 4 |
| 18 | Greedy heuristics for identical parallel machine scheduling problem with single server to minimize the makespan. MATEC Web of Conferences, 2018, 200, 00001. | 0.2 | 4 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | A rolling horizon approach for the integrated multi-quays berth allocation and crane assignment problem for bulk ports. International Journal of Industrial Engineering Computations, 2019, , 577-591. | 0.7 | 4 |
| 20 | A fast multicriteria decision-making tool for industrial scheduling problems. International Journal of Production Economics, 2013, 145, 753-760. | 8.9 | 3 |
| 21 | Comparison of Scheduling Strategies via a Statistical Analysis in an Industrial Context. , 2006, , . | | 2 |
| 22 | Comparison of different tabu search operators on a highly constrained industrial problem. International Journal of Advanced Operations Management, 2009, 1, 363. | 0.3 | 2 |
| 23 | Conception dâ€™un modÃ¨le modulaire dâ€™ordonnancement du bloc opÃ©ratoire avec prise en compte des contraintes liÃ©es aux ressources humaines et matÃ©rielles. Logistique & Management, 2011, 19, 29-42. | 0.6 | 2 |
| 24 | Heterogeneous CPU/FPGA Reconfigurable Computing System for Avionic Test Application. , 2013, , . | | 2 |
| 25 | A Multi-Model Approach for Production Planning and Scheduling in an Industrial Environment. Profiles in Operations Research, 2011, , 489-530. | 0.4 | 2 |
| 26 | Towards aÂFramework forÂDetecting Temporary Obstacles andÂTheir Impact onÂMobility forÂDiversely Disabled Users. Lecture Notes in Computer Science, 2022, , 475-488. | 1.3 | 2 |
| 27 | Integrating simulation and optimization of manufacturing systems. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2003, 33, 186-192. | 2.9 | 1 |
| 28 | The fitness function and its impact on local search methods. , 0, , . | | 0 |
| 29 | Meta-Diagnosis for a Special Class of Cyber-Physical Systems: The Avionics Test Benches. Lecture Notes in Computer Science, 2015, , 635-644. | 1.3 | 0 |
| 30 | On the single machine scheduling problem with sequence-dependent setup times and periodic maintenance. , 2018, , . | | 0 |
| 31 | Sorting Algorithms on ARM Cortex A9 Processor. Lecture Notes in Networks and Systems, 2021, , 355-366. | 0.7 | 0 |
| 32 | ARM vs FPGA: Comparative Analysis of Sorting Algorithms. Lecture Notes in Networks and Systems, 2022, , 275-287. | 0.7 | 0 |