# Oliver Rose

List of Publications by Year
in descending order

| 50 papers | 833 citations | 1937632<br>4<br>h-index | 2272907<br>4<br>g-index |
|---|---|---|---|
| 51<br>all docs | 51<br>docs citations | 51<br>times ranked | 524<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | A Global Wip Oriented Dispatching Scheme: Work-Center Workload Balance Without Relying on Target Wip. , 2019, , . | | 0 |
| 2 | SIMULATION-BASED AUTONOMOUS ALGORITHM SELECTION FOR DYNAMIC VEHICLE ROUTING PROBLEMS WITH THE HELP OF SUPERVISED LEARNING METHODS. , 2018, , . | | 1 |
| 3 | PANEL: EDUCATION ON SIMULATION MODEL SIMPLIFICATION â€" BEYOND RULES OF THUMB. , 2018, , . | | 2 |
| 4 | History and perspective of simulation in manufacturing. , 2017, , . | | 10 |
| 5 | Simulation based approach to calculate utilization limits in Opto semiconductor frontends. , 2017, , . | | 3 |
| 6 | Evaluation of modeling tools for autocorrelated input processes. , 2016, , . | | 2 |
| 7 | Simulation and optimization of Content Delivery Networks considering user profiles and preferences of Internet Service Providers. , 2016, , . | | 6 |
| 8 | Evaluation of the general applicability of Dragoon for the k-center problem. , 2016, , . | | 0 |
| 9 | Impact of time bound constraints and batching on metallization in an opto-semiconductor fab. , 2016, , . | | 4 |
| 10 | Flexible job-shop scheduling with overlapping machine sets. , 2015, , . | | 0 |
| 11 | A novel multi-agent system for complex scheduling problems. , 2014, , . | | 1 |
| 12 | Job release under due date constraints in job shops with time-varying product mix. , 2014, , . | | 0 |
| 13 | JARTA &#x2014; A Java library to model and fit Autoregressive-To-Anything processes. , 2013, , . | | 2 |
| 14 | Simulation-based overhead-crane scheduling for a manufacturing plant. , 2013, , . | | 4 |
| 15 | Study on multi-objective optimization for parallel batch machine scheduling using variable neighbourhood search. , 2013, , . | | 4 |
| 16 | Practical assessment of a combined dispatching policy at a high-mix low-volume asic facility. , 2013, , . | | 0 |
| 17 | Intelligent dispatching in dynamic stochastic job shops. , 2013, , . | | 6 |
| 18 | A Simulation-Based Optimization heuristic using self-organization for complex assembly lines. , 2012, , . | | 6 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 19 | A free simulator for modeling production systems with SysML. , 2012, , . | | 1 |
| 20 | Development and introduction of a combined dispatching policy at a high-mix low-volume ASIC facility. , 2012, , . | | 1 |
| 21 | Simulation-based optimization for groups of cluster tools in semiconductor manufacturing using simulated annealing. , 2011, , . | | 1 |
| 22 | Cluster based analytical method for the lot delivery forecast in semiconductor fab with wide product range. , 2011, , . | | 2 |
| 23 | A prototype simulation tool for a framework for simulation-based optimization of assembly lines. , 2011, , . | | 4 |
| 24 | A composite rule combining due date control and WIP balance in a wafer fab. , 2011, , . | | 6 |
| 25 | A general model description for discrete processes. , 2011, , . | | 5 |
| 26 | A survey of problems, solution techniques, and future challenges in scheduling semiconductor manufacturing operations. Journal of Scheduling, 2011, 14, 583-599. | 1.9 | 312 |
| 27 | Automated generation of analytical process time models for cluster tools in semiconductor manufacturing. , 2011, , . | | 4 |
| 28 | A detailed model for a high-mix low-volume ASIC fab. , 2011, , . | | 3 |
| 29 | Challenges and solution approaches for the online simulation of semiconductor wafer fabs. , 2011, , . | | 4 |
| 30 | Framework for simulation based scheduling of assembly lines. , 2010, , . | | 4 |
| 31 | Towards realization of a high-fidelity simulation model for short-term horizon forecasting in wafer fabrication facilities. , 2010, , . | | 14 |
| 32 | A pull/push concept for toolgroup workload balance in wafer fab. , 2010, , . | | 8 |
| 33 | First steps towards a general SysML model for discrete processes in production systems. , 2009, , . | | 31 |
| 34 | Are simulation standards in our future?. , 2009, , . | | 4 |
| 35 | Evaluation of modeling, simulation and optimization approaches for work flow management in semiconductor manufacturing. , 2009, , . | | 4 |
| 36 | A bottleneck detection and dynamic dispatching strategy for semiconductor wafer fabrication facilities. , 2009, , . | | 8 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 37 | A multi-criteria approach for scheduling semiconductor wafer fabrication facilities. Journal of Scheduling, 2008, 11, 29-47. | 1.9 | 50 |
| 38 | An optimization framework for waferfab performance enhancement. , 2008, , . | | 2 |
| 39 | Automated generation and parameterization of throughput models for semiconductor tools. , 2008, , . | | 4 |
| 40 | Simulation analysis of semiconductor manufacturing with small lot size and batch tool replacements. , 2008, , . | | 5 |
| 41 | A simulation based optimization algorithm for slack reduction and workforce scheduling. , 2008, , . | | 10 |
| 42 | Queue time and x-factor characteristics for semiconductor manufacturing with small lot sizes. , 2007, , . | | 4 |
| 43 | Improved simple simulation models for semiconductor wafer factories. , 2007, , . | | 31 |
| 44 | Predicting cluster tool behavior with slow down factors. , 2007, , . | | 9 |
| 45 | Implementation of a Simulation-Based Optimizer for Semiconductor Wafer Factories. , 2006, , . | | 4 |
| 46 | Modeling Semiconductor Tools for Small Lotsize Fab Simulations. , 2006, , . | | 10 |
| 47 | The use of Slow Down Factors for the Analysis and Development of Scheduling Algorithms for Parallel Cluster Tools. , 2006, , . | | 4 |
| 48 | Economy of Scale Effects for Large Wafer Fabs. , 2006, , . | | 2 |
| 49 | Scheduling and Simulation. , 2006, , 109-133. | | 9 |
| 50 | Grand Challenges in Modeling and Simulation of Complex Manufacturing Systems. Simulation, 2004, 80, 469-476. | 1.8 | 181 |