# Wil M P Van Der Aalst

## List of Publications by Citations



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|---|---|---|---|
| 674 papers | 33,136 citations | 88 h-index | 162 g-index |
| 723 ext. papers | 38,232 ext. citations | 1.9 avg, IF | 8.19 L-index |

| # | Paper | IF | Citations |
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| 674 | Workflow Patterns. *Distributed and Parallel Databases*, **2003**, 14, 5-51 | 0.9 | 1527 |
| 673 | Process Mining **2011**, | | 1279 |
| 672 | Workflow mining: discovering process models from event logs. *IEEE Transactions on Knowledge and Data Engineering*, **2004**, 16, 1128-1142 | 4.2 | 1154 |
| 671 | Process Mining **2016**, | | 885 |
| 670 | YAWL: yet another workflow language. *Information Systems*, **2005**, 30, 245-275 | 2.7 | 822 |
| 669 | Conformance checking of processes based on monitoring real behavior. *Information Systems*, **2008**, 33, 64-95 | 2.7 | 683 |
| 668 | Workflow mining: A survey of issues and approaches. *Data and Knowledge Engineering*, **2003**, 47, 237-267 | 1.5 | 653 |
| 667 | Case handling: a new paradigm for business process support. *Data and Knowledge Engineering*, **2005**, 53, 129-162 | 1.5 | 476 |
| 666 | Business process mining: An industrial application. *Information Systems*, **2007**, 32, 713-732 | 2.7 | 441 |
| 665 | Business Process Management: A Survey. *Lecture Notes in Computer Science*, **2003**, 1-12 | 0.9 | 434 |
| 664 | Seven process modeling guidelines (7PMG). *Information and Software Technology*, **2010**, 52, 127-136 | 3.4 | 375 |
| 663 | Fuzzy Mining Adaptive Process Simplification Based on Multi-perspective Metrics. *Lecture Notes in Computer Science*, **2007**, 328-343 | 0.9 | 365 |
| 662 | Replaying history on process models for conformance checking and performance analysis. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, **2012**, 2, 182-192 | 6.9 | 357 |
| 661 | Process Mining Manifesto. *Lecture Notes in Business Information Processing*, **2012**, 169-194 | 0.6 | 347 |
| 660 | A configurable reference modelling language. *Information Systems*, **2007**, 32, 1-23 | 2.7 | 344 |
| 659 | Business Process Management: A Comprehensive Survey **2013**, 2013, 1-37 | | 339 |
| 658 | Formalization and verification of event-driven process chains. *Information and Software Technology*, **1999**, 41, 639-650 | 3.4 | 329 |

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| 657 | Genetic process mining: an experimental evaluation. *Data Mining and Knowledge Discovery*, **2007**, 14, 245-304 | 5.6 | 305 |
| 656 | Inheritance of workflows: an approach to tackling problems related to change. *Theoretical Computer Science*, **2002**, 270, 125-203 | 1.1 | 304 |
| 655 | Time prediction based on process mining. *Information Systems*, **2011**, 36, 450-475 | 2.7 | 289 |
| 654 | Discovering Social Networks from Event Logs. *Computer Supported Cooperative Work*, **2005**, 14, 549-593 | 2.4 | 272 |
| 653 | Declarative workflows: Balancing between flexibility and support. *Computer Science - Research and Development*, **2009**, 23, 99-113 | | 271 |
| 652 | Verification of workflow nets. *Lecture Notes in Computer Science*, **1997**, 407-426 | 0.9 | 259 |
| 651 | Blockchains for Business Process Management - Challenges and Opportunities. *ACM Transactions on Management Information Systems*, **2018**, 9, 1-16 | 2 | 246 |
| 650 | Process mining: a two-step approach to balance between underfitting and overfitting. *Software and Systems Modeling*, **2010**, 9, 87-111 | 1.9 | 234 |
| 649 | DECLARE: Full Support for Loosely-Structured Processes **2007**, | | 234 |
| 648 | Discovering Block-Structured Process Models from Event Logs - A Constructive Approach. *Lecture Notes in Computer Science*, **2013**, 311-329 | 0.9 | 231 |
| 647 | Diagnosing Workflow Processes using Woflan. *Computer Journal*, **2001**, 44, 246-279 | 1.3 | 221 |
| 646 | Soundness of workflow nets: classification, decidability, and analysis. *Formal Aspects of Computing*, **2011**, 23, 333-363 | 1.2 | 215 |
| 645 | Towards comprehensive support for organizational mining. *Decision Support Systems*, **2008**, 46, 300-317 | 5.6 | 200 |
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| 643 | Formal semantics and analysis of control flow in WS-BPEL. *Science of Computer Programming*, **2007**, 67, 162-198 | 1.1 | 183 |
| 642 | Data Science in Action **2016**, 3-23 | | 181 |
| 641 | Conformance Checking Using Cost-Based Fitness Analysis **2011**, | | 178 |
| 640 | Workflow Resource Patterns: Identification, Representation and Tool Support. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, **2005**, 216-232 | 0.3 | 167 |

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| 639 | Verification Of Workflow Task Structures: A Petri-net-baset Approach. *Information Systems*, **2000**, 25, 43-69 | 2.7 | 161 |
| 638 | Discovering simulation models. *Information Systems*, **2009**, 34, 305-327 | 2.7 | 157 |
| 637 | Detection and prediction of errors in EPCs of the SAP reference model. *Data and Knowledge Engineering*, **2008**, 64, 312-329 | 1.5 | 153 |
| 636 | CONFIGURABLE WORKFLOW MODELS. *International Journal of Cooperative Information Systems*, **2008**, 17, 177-221 | 0.6 | 152 |
| 635 | Loosely coupled interorganizational workflows:. *Information and Management*, **2000**, 37, 67-75 | 6.6 | 149 |
| 634 | Process Flexibility: A Survey of Contemporary Approaches. *Lecture Notes in Business Information Processing*, **2008**, 16-30 | 0.6 | 141 |
| 633 | Discovering Block-Structured Process Models from Event Logs Containing Infrequent Behaviour. *Lecture Notes in Business Information Processing*, **2014**, 66-78 | 0.6 | 140 |
| 632 | Declarative specification and verification of service choreographiess. *ACM Transactions on the Web*, **2010**, 4, 1-62 | 3.2 | 140 |
| 631 | Trace Clustering in Process Mining. *Lecture Notes in Business Information Processing*, **2009**, 109-120 | 0.6 | 139 |
| 630 | APROMORE: An advanced process model repository. *Expert Systems With Applications*, **2011**, 38, 7029-7040 | 7.6 | 138 |
| 629 | From business process models to process-oriented software systems. *ACM Transactions on Software Engineering and Methodology*, **2009**, 19, 1-37 | 3.3 | 126 |
| 628 | Worklets: A Service-Oriented Implementation of Dynamic Flexibility in Workflows. *Lecture Notes in Computer Science*, **2006**, 291-308 | 0.9 | 126 |
| 627 | Auditing 2.0: Using Process Mining to Support Tomorrow's Auditor. *Computer*, **2010**, 43, 90-93 | 1.6 | 124 |
| 626 | XES, XESame, and ProM 6. *Lecture Notes in Computer Science*, **2011**, 60-75 | 0.9 | 122 |
| 625 | Application of Process Mining in Healthcare A Case Study in a Dutch Hospital. *Communications in Computer and Information Science*, **2008**, 425-438 | 0.3 | 121 |
| 624 | Product-Based Workflow Design. *Journal of Management Information Systems*, **2003**, 20, 229-262 | 5.3 | 119 |
| 623 | A general process mining framework for correlating, predicting and clustering dynamic behavior based on event logs. *Information Systems*, **2016**, 56, 235-257 | 2.7 | 118 |
| 622 | Fundamentals of control flow in workflows. *Acta Informatica*, **2003**, 39, 143-209 | 0.9 | 118 |

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| 621 | Process Modeling using Event-Driven Process Chains **2005**, 119-145 | | 118 |
| 620 | Advances in business process management. *Data and Knowledge Engineering*, **2004**, 50, 1-8 | 1.5 | 116 |
| 619 | Process Mining. *ACM Transactions on Management Information Systems*, **2012**, 3, 1-17 | 2 | 115 |
| 618 | Compliance monitoring in business processes: Functionalities, application, and tool-support. *Information Systems*, **2015**, 54, 209-234 | 2.7 | 113 |
| 617 | Deadline-based escalation in process-aware information systems. *Decision Support Systems*, **2007**, 43, 492-511 | 5.6 | 109 |
| 616 | PROCLETS: A FRAMEWORK FOR LIGHTWEIGHT INTERACTING WORKFLOW PROCESSES. *International Journal of Cooperative Information Systems*, **2001**, 10, 443-481 | 0.6 | 109 |
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| 611 | Decomposing Petri nets for process mining: A generic approach. *Distributed and Parallel Databases*, **2013**, 31, 471-507 | 0.9 | 103 |
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| 608 | Monitoring Business Constraints with Linear Temporal Logic: An Approach Based on Colored Automata. *Lecture Notes in Computer Science*, **2011**, 132-147 | 0.9 | 103 |
| 607 | BRIDGING THE GAP BETWEEN BUSINESS MODELS AND WORKFLOW SPECIFICATIONS. *International Journal of Cooperative Information Systems*, **2004**, 13, 289-332 | 0.6 | 102 |
| 606 | Questionnaire-based variability modeling for system configuration. *Software and Systems Modeling*, **2009**, 8, 251-274 | 1.9 | 101 |
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| 603 | Exterminating the Dynamic Change Bug: A Concrete Approach to Support Workflow Change **2001**, 3, 297-317 | | 96 |
| 602 | Scalable process discovery and conformance checking. *Software and Systems Modeling*, **2018**, 17, 599-631 | 1.9 | 95 |
| 601 | Dealing with concept drifts in process mining. *IEEE Transactions on Neural Networks and Learning Systems*, **2014**, 25, 154-71 | 10.3 | 95 |
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| 594 | XMLBased Schema Definition for Support of Interorganizational Workflow. *Information Systems Research*, **2003**, 14, 23-46 | 3.8 | 92 |
| 593 | User-guided discovery of declarative process models **2011**, | | 91 |
| 592 | Business process redesign: A Petri-net-based approach. *Computers in Industry*, **1996**, 29, 15-26 | 11.6 | 91 |
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| 588 | Declarative process mining in healthcare. *Expert Systems With Applications*, **2015**, 42, 9236-9251 | 7.8 | 88 |
| 587 | PM(^2): A Process Mining Project Methodology. *Lecture Notes in Computer Science*, **2015**, 297-313 | 0.9 | 88 |
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| 577 | Single-Entry Single-Exit decomposed conformance checking. *Information Systems*, **2014**, 46, 102-122 | 2.7 | 81 |
| 576 | Wanna improve process mining results? **2013**, | | 79 |
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| 566 | From BPMN Process Models to BPEL Web Services **2006**, | | 75 |
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| 564 | Measuring precision of modeled behavior. *Information Systems and E-Business Management*, **2015**, 13, 37-67 | 2.6 | 72 |
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| 558 | Cycle Time Prediction: When Will This Case Finally Be Finished?. *Lecture Notes in Computer Science*, **2008**, 319-336 | 0.9 | 68 |
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