

Marlon Dumas

List of Publications by Year in descending order

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Version: 2024-02-01

265
papers

16,197
citations

41323

49
h-index

27389

106
g-index

289
all docs

289
docs citations

289
times ranked

5612
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | QoS-aware middleware for Web services composition. IEEE Transactions on Software Engineering, 2004, 30, 311-327. | 4.3 | 2,304 |
| 2 | Quality driven web services composition. , 2003, , . | | 811 |
| 3 | Fundamentals of Business Process Management. , 2013, , . | | 706 |
| 4 | Fundamentals of Business Process Management. , 2018, , . | | 557 |
| 5 | Process Mining Manifesto. Lecture Notes in Business Information Processing, 2012, , 169-194. | 0.8 | 546 |
| 6 | Semantics and analysis of business process models in BPMN. Information and Software Technology, 2008, 50, 1281-1294. | 3.0 | 502 |
| 7 | Similarity of business process models: Metrics and evaluation. Information Systems, 2011, 36, 498-516. | 2.4 | 456 |
| 8 | The Self-Serv environment for Web services composition. IEEE Internet Computing, 2003, 7, 40-48. | 3.2 | 415 |
| 9 | Blockchains for Business Process Management - Challenges and Opportunities. ACM Transactions on Management Information Systems, 2018, 9, 1-16. | 2.1 | 404 |
| 10 | Predictive Business Process Monitoring with LSTM Neural Networks. Lecture Notes in Computer Science, 2017, , 477-492. | 1.0 | 249 |
| 11 | Formal semantics and analysis of control flow in WS-BPEL. Science of Computer Programming, 2007, 67, 162-198. | 1.5 | 247 |
| 12 | Graph Matching Algorithms for Business Process Model Similarity Search. Lecture Notes in Computer Science, 2009, , 48-63. | 1.0 | 242 |
| 13 | Automated Discovery of Process Models from Event Logs: Review and Benchmark. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 686-705. | 4.0 | 219 |
| 14 | Service Interaction Patterns. Lecture Notes in Computer Science, 2005, , 302-318. | 1.0 | 205 |
| 15 | UML Activity Diagrams as a Workflow Specification Language. Lecture Notes in Computer Science, 2001, , 76-90. | 1.0 | 183 |
| 16 | Outcome-Oriented Predictive Process Monitoring. ACM Transactions on Knowledge Discovery From Data, 2019, 13, 1-57. | 2.5 | 172 |
| 17 | APROMORE: An advanced process model repository. Expert Systems With Applications, 2011, 38, 7029-7040. | 4.4 | 171 |
| 18 | The Rise of Web Service Ecosystems. IT Professional, 2006, 8, 31-37. | 1.4 | 165 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | From business process models to process-oriented software systems. ACM Transactions on Software Engineering and Methodology, 2009, 19, 1-37. | 4.8 | 164 |
| 20 | Predictive Monitoring of Business Processes. Lecture Notes in Computer Science, 2014, , 457-472. | 1.0 | 163 |
| 21 | Configurable multi-perspective business process models. Information Systems, 2011, 36, 313-340. | 2.4 | 153 |
| 22 | Analysis of Web Services Composition Languages: The Case of BPEL4WS. Lecture Notes in Computer Science, 2003, , 200-215. | 1.0 | 150 |
| 23 | SERVICE-ORIENTED DESIGN: A MULTI-VIEWPOINT APPROACH. International Journal of Cooperative Information Systems, 2004, 13, 337-368. | 0.6 | 130 |
| 24 | Deadline-based escalation in process-aware information systems. Decision Support Systems, 2007, 43, 492-511. | 3.5 | 130 |
| 25 | Business Process Model Merging. ACM Transactions on Software Engineering and Methodology, 2013, 22, 1-42. | 4.8 | 129 |
| 26 | Business Process Variability Modeling. ACM Computing Surveys, 2018, 50, 1-45. | 16.1 | 118 |
| 27 | From BPMN Process Models to BPEL Web Services. , 2006, , . | | 117 |
| 28 | Split miner: automated discovery of accurate and simple business process models from event logs. Knowledge and Information Systems, 2019, 59, 251-284. | 2.1 | 114 |
| 29 | Design and Implementation of the YAWL System. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2004, , 142-159. | 0.2 | 112 |
| 30 | Questionnaire-based variability modeling for system configuration. Software and Systems Modeling, 2009, 8, 251-274. | 2.2 | 111 |
| 31 | Pattern-Based Translation of BPMN Process Models to BPEL Web Services. International Journal of Web Services Research, 2008, 5, 42-62. | 0.5 | 107 |
| 32 | Facilitating the Rapid Development and Scalable Orchestration of Composite Web Services. Distributed and Parallel Databases, 2005, 17, 5-37. | 1.0 | 106 |
| 33 | Optimized Execution of Business Processes on Blockchain. Lecture Notes in Computer Science, 2017, , 130-146. | 1.0 | 100 |
| 34 | Caterpillar: A business process execution engine on the Ethereum blockchain. Software - Practice and Experience, 2019, 49, 1162-1193. | 2.5 | 98 |
| 35 | Structuring acyclic process models. Information Systems, 2012, 37, 518-538. | 2.4 | 96 |
| 36 | Preserving correctness during business process model configuration. Formal Aspects of Computing, 2010, 22, 459-482. | 1.4 | 94 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Letâ€™s Dance: A Language for Service Behavior Modeling. Lecture Notes in Computer Science, 2006, , 145-162. | 1.0 | 94 |
| 38 | Self-serv. , 2002, , 1051-1054. | | 94 |
| 39 | Complex Symbolic Sequence Encodings for Predictive Monitoring of Business Processes. Lecture Notes in Computer Science, 2015, , 297-313. | 1.0 | 92 |
| 40 | Structure and Evolution of Package Dependency Networks. , 2017, , . | | 90 |
| 41 | Survey and Cross-benchmark Comparison of Remaining Time Prediction Methods in Business Process Monitoring. ACM Transactions on Intelligent Systems and Technology, 2019, 10, 1-34. | 2.9 | 89 |
| 42 | Learning Accurate LSTM Models of Business Processes. Lecture Notes in Computer Science, 2019, , 286-302. | 1.0 | 88 |
| 43 | Conformance checking of service behavior. ACM Transactions on Internet Technology, 2008, 8, 1-30. | 3.0 | 81 |
| 44 | Clustering-Based Predictive Process Monitoring. IEEE Transactions on Services Computing, 2019, 12, 896-909. | 3.2 | 78 |
| 45 | Aligning Business Process Models. , 2009, , . | | 71 |
| 46 | Achieving Performance and Availability Guarantees with Spot Instances. , 2011, , . | | 69 |
| 47 | Automated discovery of business process simulation models from event logs. Decision Support Systems, 2020, 134, 113284. | 3.5 | 67 |
| 48 | Detecting Sudden and Gradual Drifts in Business Processes from Execution Traces. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 2140-2154. | 4.0 | 63 |
| 49 | WofBPEL: A Tool for Automated Analysis of BPEL Processes. Lecture Notes in Computer Science, 2005, , 484-489. | 1.0 | 62 |
| 50 | BPMN Miner: Automated discovery of BPMN process models with hierarchical structure. Information Systems, 2016, 56, 284-303. | 2.4 | 62 |
| 51 | Beyond Control-Flow: Extending Business Process Configuration to Roles and Objects. Lecture Notes in Computer Science, 2008, , 199-215. | 1.0 | 60 |
| 52 | Robotic Process Mining: Vision and Challenges. Business and Information Systems Engineering, 2021, 63, 301-314. | 4.0 | 59 |
| 53 | Predictive Business Process Monitoring with Structured and Unstructured Data. Lecture Notes in Computer Science, 2016, , 401-417. | 1.0 | 58 |
| 54 | Merging Business Process Models. Lecture Notes in Computer Science, 2010, , 96-113. | 1.0 | 57 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Genetic algorithms for hyperparameter optimization in predictive business process monitoring. Information Systems, 2018, 74, 67-83. | 2.4 | 57 |
| 56 | Service Interaction Modeling: Bridging Global and Local Views. 2006 10th IEEE International Enterprise Distributed Object Computing Conference (EDOC'06), 2006, , . | 0.0 | 55 |
| 57 | Discovering Data-Aware Declarative Process Models from Event Logs. Lecture Notes in Computer Science, 2013, , 81-96. | 1.0 | 55 |
| 58 | Blockchain Support for Collaborative Business Processes. Informatik-Spektrum, 2019, 42, 182-190. | 1.0 | 53 |
| 59 | Correlation Patterns in Service-Oriented Architectures. , 2007, , 245-259. | | 52 |
| 60 | Split Miner: Discovering Accurate and Simple Business Process Models from Event Logs. , 2017, , . | | 51 |
| 61 | Artifact Lifecycle Discovery. International Journal of Cooperative Information Systems, 2015, 24, 1550001. | 0.6 | 50 |
| 62 | Fast and Accurate Business Process Drift Detection. Lecture Notes in Computer Science, 2015, , 406-422. | 1.0 | 50 |
| 63 | A flexible, object-centric approach for business process modelling. Service Oriented Computing and Applications, 2010, 4, 191-201. | 1.3 | 49 |
| 64 | Translating Standard Process Models to BPEL. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2006, , 417-432. | 0.2 | 49 |
| 65 | Structuring Acyclic Process Models. Lecture Notes in Computer Science, 2010, , 276-293. | 1.0 | 49 |
| 66 | Fast fully dynamic landmark-based estimation of shortest path distances in very large graphs. , 2011, , . | | 47 |
| 67 | Complete and Interpretable Conformance Checking of Business Processes. IEEE Transactions on Software Engineering, 2018, 44, 262-290. | 4.3 | 46 |
| 68 | Web service composition languages: old wine in New bottles?. , 2003, , . | | 45 |
| 69 | Fast detection of exact clones in business process model repositories. Information Systems, 2013, 38, 619-633. | 2.4 | 44 |
| 70 | Standards for Web Service Choreography and Orchestration: Status and Perspectives. Lecture Notes in Computer Science, 2006, , 61-74. | 1.0 | 43 |
| 71 | Using dynamic and contextual features to predict issue lifetime in GitHub projects. , 2016, , . | | 41 |
| 72 | A formal approach to negotiating agents development. Electronic Commerce Research and Applications, 2002, 1, 193-207. | 2.5 | 39 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Business process variant analysis: Survey and classification. Knowledge-Based Systems, 2021, 211, 106557. | 4.0 | 39 |
| 74 | Correctness-Preserving Configuration of Business Process Models. Lecture Notes in Computer Science, 2008, , 46-61. | 1.0 | 39 |
| 75 | Automated discovery of structured process models from event logs: The discover-and-structure approach. Data and Knowledge Engineering, 2018, 117, 373-392. | 2.1 | 37 |
| 76 | Declarative Process Modeling in BPMN. Lecture Notes in Computer Science, 2015, , 84-100. | 1.0 | 36 |
| 77 | Modelling families of business process variants: A decomposition driven method. Information Systems, 2016, 56, 55-72. | 2.4 | 36 |
| 78 | Aggregate Quality of Service Computation for Composite Services. Lecture Notes in Computer Science, 2010, , 213-227. | 1.0 | 35 |
| 79 | Report: The Process Model Matching Contest 2013. Lecture Notes in Business Information Processing, 2014, , 442-463. | 0.8 | 35 |
| 80 | Predictive Business Process Monitoring Framework with Hyperparameter Optimization. Lecture Notes in Computer Science, 2016, , 361-376. | 1.0 | 35 |
| 81 | Semantics, Analysis and Simplification of DMN Decision Tables. Information Systems, 2018, 78, 112-125. | 2.4 | 35 |
| 82 | Interactive and Incremental Business Process Model Repair. Lecture Notes in Computer Science, 2017, , 53-74. | 1.0 | 35 |
| 83 | Business Process Simulation for Operational Decision Support. Lecture Notes in Computer Science, 2008, , 66-77. | 1.0 | 35 |
| 84 | Discovering Branching Conditions from Business Process Execution Logs. Lecture Notes in Computer Science, 2013, , 114-129. | 1.0 | 35 |
| 85 | Mining Business Process Deviance: A Quest for Accuracy. Lecture Notes in Computer Science, 2014, , 436-445. | 1.0 | 35 |
| 86 | Log Delta Analysis: Interpretable Differencing of Business Process Event Logs. Lecture Notes in Computer Science, 2015, , 386-405. | 1.0 | 34 |
| 87 | Temporal stability in predictive process monitoring. Data Mining and Knowledge Discovery, 2018, 32, 1306-1338. | 2.4 | 32 |
| 88 | Transforming Object-Oriented Models to Process-Oriented Models. Lecture Notes in Computer Science, 2008, , 132-143. | 1.0 | 32 |
| 89 | Adaptations of data mining methodologies: a systematic literature review. PeerJ Computer Science, 2020, 6, e267. | 2.7 | 32 |
| 90 | Opportunities and Challenges for Process Mining in Organizations: Results of a Delphi Study. Business and Information Systems Engineering, 2021, 63, 511-527. | 4.0 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | A formal approach to protocols and strategies for (legal) negotiation. , 2001, , . | | 31 |
| 92 | Interpreted Execution of Business Process Models on Blockchain. , 2019, , . | | 31 |
| 93 | Towards a Semantic Framework for Service Description. IFIP Advances in Information and Communication Technology, 2003, , 277-291. | 0.5 | 31 |
| 94 | Modeling Business Process Variability for Design-Time Configuration. , 2009, , 204-228. | | 31 |
| 95 | Pattern-Based Analysis of the Control-Flow Perspective of UML Activity Diagrams. Lecture Notes in Computer Science, 2005, , 63-78. | 1.0 | 30 |
| 96 | Automated Discovery of Structured Process Models: Discover Structured vs. Discover and Structure. Lecture Notes in Computer Science, 2016, , 313-329. | 1.0 | 30 |
| 97 | Discovering Causal Factors Explaining Business Process Performance Variation. Lecture Notes in Computer Science, 2017, , 177-192. | 1.0 | 30 |
| 98 | Process Mining Meets Causal Machine Learning: Discovering Causal Rules from Event Logs. , 2020, , . | | 30 |
| 99 | Controlled flexibility in blockchain-based collaborative business processes. Information Systems, 2020, 104, 101622. | 2.4 | 29 |
| 100 | Clone Detection in Repositories of Business Process Models. Lecture Notes in Computer Science, 2011, , 248-264. | 1.0 | 29 |
| 101 | Dynamic Role Binding in Blockchain-Based Collaborative Business Processes. Lecture Notes in Computer Science, 2019, , 399-414. | 1.0 | 28 |
| 102 | Detecting approximate clones in business process model repositories. Information Systems, 2015, 49, 102-125. | 2.4 | 27 |
| 103 | Complex Symbolic Sequence Clustering and Multiple Classifiers for Predictive Process Monitoring. Lecture Notes in Business Information Processing, 2016, , 218-229. | 0.8 | 27 |
| 104 | Understanding Business Process Models: The Costs and Benefits of Structuredness. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2012, , 31-46. | 0.2 | 27 |
| 105 | Approximate Clone Detection in Repositories of Business Process Models. Lecture Notes in Computer Science, 2012, , 302-318. | 1.0 | 26 |
| 106 | Enabling Personalized Composition and Adaptive Provisioning of Web Services. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2004, , 322-337. | 0.2 | 26 |
| 107 | Slice, Mine and Dice: Complexity-Aware Automated Discovery of Business Process Models. Lecture Notes in Computer Science, 2013, , 49-64. | 1.0 | 26 |
| 108 | Probabilistic Automated Bidding in Multiple Auctions. Electronic Commerce Research, 2005, 5, 25-49. | 3.0 | 25 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Generalized aggregate Quality of Service computation for composite services. Journal of Systems and Software, 2012, 85, 1818-1830. | 3.3 | 25 |
| 110 | On the expressive power of behavioral profiles. Formal Aspects of Computing, 2016, 28, 597-613. | 1.4 | 25 |
| 111 | Diagnosing behavioral differences between business process models: An approach based on event structures. Information Systems, 2016, 56, 304-325. | 2.4 | 25 |
| 112 | Semantics of Standard Process Models with OR-Joins. , 2007, , 41-58. | | 25 |
| 113 | Modelling Flexible Processes with Business Objects. , 2009, , . | | 24 |
| 114 | Reserved or On-Demand Instances? A Revenue Maximization Model for Cloud Providers. , 2011, , . | | 24 |
| 115 | Behavioral Comparison of Process Models Based on Canonically Reduced Event Structures. Lecture Notes in Computer Science, 2014, , 267-282. | 1.0 | 24 |
| 116 | Controlled automated discovery of collections of business process models. Information Systems, 2014, 46, 85-101. | 2.4 | 24 |
| 117 | Beyond Tasks and Gateways: Discovering BPMN Models with Subprocesses, Boundary Events and Activity Markers. Lecture Notes in Computer Science, 2014, , 101-117. | 1.0 | 24 |
| 118 | Enabling Process Innovation via Deviance Mining and Predictive Monitoring. Management for Professionals, 2015, , 145-154. | 0.3 | 24 |
| 119 | Scalable Conformance Checking of Business Processes. Lecture Notes in Computer Science, 2017, , 607-627. | 1.0 | 24 |
| 120 | Semantics and Analysis of DMN Decision Tables. Lecture Notes in Computer Science, 2016, , 217-233. | 1.0 | 23 |
| 121 | A Petri Nets based Generic Genetic Algorithm framework for resource optimization in business processes. Simulation Modelling Practice and Theory, 2018, 86, 72-101. | 2.2 | 23 |
| 122 | Bridging Global and Local Models of Service-Oriented Systems. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2008, 38, 302-318. | 3.3 | 21 |
| 123 | Process Mining Reloaded: Event Structures as a Unified Representation of Process Models and Event Logs. Lecture Notes in Computer Science, 2015, , 33-48. | 1.0 | 21 |
| 124 | Fire now, fire later: alarm-based systems for prescriptive process monitoring. Knowledge and Information Systems, 2022, 64, 559-587. | 2.1 | 21 |
| 125 | Patterns of Process Modeling. , 2005, , 179-203. | | 20 |
| 126 | Cost-Effective Semantic Annotation of XML Schemas and Web Service Interfaces. , 2009, , . | | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Discovering Automatable Routines from User Interaction Logs. Lecture Notes in Business Information Processing, 2019, , 144-162. | 0.8 | 20 |
| 128 | Unraveling Unstructured Process Models. Lecture Notes in Business Information Processing, 2010, , 1-7. | 0.8 | 20 |
| 129 | Identifying Candidate Routines for Robotic Process Automation from Unsegmented UI Logs. , 2020, , . | | 20 |
| 130 | A Short Survey on Process Model Similarity. , 2013, , 421-427. | | 19 |
| 131 | Peer-to-Peer Traced Execution of Composite Services. Lecture Notes in Computer Science, 2001, , 103-117. | 1.0 | 19 |
| 132 | Code churn estimation using organisational and code metrics: An experimental comparison. Information and Software Technology, 2012, 54, 203-211. | 3.0 | 18 |
| 133 | Predicting process performance: A whiteâ€œbox approach based on process models. Journal of Software: Evolution and Process, 2019, 31, e2170. | 1.2 | 17 |
| 134 | A configurable matchmaking framework for electronic marketplaces. Electronic Commerce Research and Applications, 2004, 3, 95-106. | 2.5 | 16 |
| 135 | Toward Web-Scale Workflows for Film Production. IEEE Internet Computing, 2008, 12, 53-61. | 3.2 | 16 |
| 136 | Generating Business Process Models from Object Behavior Models. Information Systems Management, 2008, 25, 319-331. | 3.2 | 16 |
| 137 | Browserbite: Accurate Cross-Browser Testing via Machine Learning over Image Features. , 2013, , . | | 16 |
| 138 | Heuristics for composite Web service decentralization. Software and Systems Modeling, 2014, 13, 599-619. | 2.2 | 16 |
| 139 | Multi-perspective Comparison of Business Process Variants Based on Event Logs. Lecture Notes in Computer Science, 2018, , 449-459. | 1.0 | 16 |
| 140 | Discovering process maps from event streams. , 2018, , . | | 16 |
| 141 | Minimizing Overprocessing Waste in Business Processes via Predictive Activity Ordering. Lecture Notes in Computer Science, 2016, , 186-202. | 1.0 | 16 |
| 142 | Alarm-Based Prescriptive Process Monitoring. Lecture Notes in Business Information Processing, 2018, , 91-107. | 0.8 | 16 |
| 143 | A probabilistic approach to automated bidding in alternative auctions. , 2002, , . | | 15 |
| 144 | Framework for monitoring and testing web application scalability on the cloud. , 2012, , . | | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | White-box prediction of process performance indicators via flow analysis. , 2017, , . | | 15 |
| 146 | Automated discovery of declarative process models with correlated data conditions. Information Systems, 2020, 89, 101482. | 2.4 | 15 |
| 147 | Prescriptive Process Monitoring for Cost-Aware Cycle Time Reduction. , 2021, , . | | 15 |
| 148 | A process-based methodology for designing event-based mobile composite applications. Data and Knowledge Engineering, 2007, 61, 6-22. | 2.1 | 14 |
| 149 | The Service Adaptation Machine. , 2008, , . | | 14 |
| 150 | Optimized decentralization of composite web services. , 2010, , . | | 14 |
| 151 | Bursty egocentric network evolution in Skype. Social Network Analysis and Mining, 2013, 3, 1393-1401. | 1.9 | 14 |
| 152 | Criteria and Heuristics for Business Process Model Decomposition. Business and Information Systems Engineering, 2016, 58, 7-17. | 4.0 | 14 |
| 153 | Encoding resource experience for predictive process monitoring. Decision Support Systems, 2022, 153, 113669. | 3.5 | 14 |
| 154 | On the Notion of Coupling in Communication Middleware. Lecture Notes in Computer Science, 2005, , 1015-1033. | 1.0 | 13 |
| 155 | Linking Domain Models and Process Models for Reference Model Configuration. Lecture Notes in Computer Science, 2008, , 417-430. | 1.0 | 13 |
| 156 | Browserbite: cross-browser testing via image processing. Software - Practice and Experience, 2016, 46, 1459-1477. | 2.5 | 12 |
| 157 | Stage-based discovery of business process models from event logs. Information Systems, 2019, 84, 214-237. | 2.4 | 12 |
| 158 | Event-Based Coordination of Process-Oriented Composite Applications. Lecture Notes in Computer Science, 2005, , 236-251. | 1.0 | 12 |
| 159 | Scalable alignment of process models and event logs: An approach based on automata and S-components. Information Systems, 2020, 94, 101561. | 2.4 | 11 |
| 160 | Abstract-and-Compare: A Family of Scalable Precision Measures for Automated Process Discovery. Lecture Notes in Computer Science, 2018, , 158-175. | 1.0 | 11 |
| 161 | The Business Process Modeling Notation. , 2010, , 347-368. | | 11 |
| 162 | Squeezing Out the Cloud via Profit-Maximizing Resource Allocation Policies. , 2012, , . | | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Community-centric analysis of user engagement in Skype social network. , 2015, , . | | 10 |
| 164 | Issue Dynamics in Github Projects. Lecture Notes in Computer Science, 2015, , 295-310. | 1.0 | 10 |
| 165 | Correlating Activation and Target Conditions in Data-Aware Declarative Process Discovery. Lecture Notes in Computer Science, 2018, , 176-193. | 1.0 | 10 |
| 166 | Measuring Fitness and Precision of Automatically Discovered Process Models: A Principled and Scalable Approach. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1. | 4.0 | 10 |
| 167 | Process-Oriented Assessment of Web Services. International Journal of E-Business Research, 2006, 2, 19-44. | 0.7 | 10 |
| 168 | Strategies in supply chain management for the Trading Agent Competition. Electronic Commerce Research and Applications, 2007, 6, 369-382. | 2.5 | 9 |
| 169 | Local Concurrency Detection in Business Process Event Logs. ACM Transactions on Internet Technology, 2019, 19, 1-23. | 3.0 | 9 |
| 170 | Discovering generative models from event logs: data-driven simulation vs deep learning. PeerJ Computer Science, 2021, 7, e577. | 2.7 | 9 |
| 171 | Middleware support for mobile applications. International Journal of Pervasive Computing and Communications, 2005, 1, 75-88. | 1.1 | 8 |
| 172 | Management and engineering of process-aware information systems: Introduction to the special issue. Information Systems, 2012, 37, 77-79. | 2.4 | 8 |
| 173 | Decomposition Driven Consolidation of Process Models. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2013, , 193-207. | 0.2 | 8 |
| 174 | Reverse-engineering conference rankings: what does it take to make a reputable conference?. Scientometrics, 2013, 96, 651-665. | 1.6 | 8 |
| 175 | From Petri Nets to Guard-Stage-Milestone Models. Lecture Notes in Business Information Processing, 2013, , 340-351. | 0.8 | 8 |
| 176 | Semantic DMN: Formalizing Decision Models with Domain Knowledge. Lecture Notes in Computer Science, 2017, , 70-86. | 1.0 | 8 |
| 177 | Identifying and Classifying Variations in Business Processes. Lecture Notes in Business Information Processing, 2012, , 136-150. | 0.8 | 8 |
| 178 | Applying the CRISP-DM data mining process in the financial services industry: Elicitation of adaptation requirements. Data and Knowledge Engineering, 2022, 139, 102013. | 2.1 | 8 |
| 179 | Grundlagen des Geschäftsprozessmanagements. , 2021, , . | | 7 |
| 180 | Collecting and Querying Distributed Traces of Composite Service Executions. Lecture Notes in Computer Science, 2002, , 373-390. | 1.0 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Prescriptive Process Monitoring Under Resource Constraints: A Causal Inference Approach. Lecture Notes in Business Information Processing, 2022, , 180-193. | 0.8 | 7 |
| 182 | TEMPOS: a platform for developing temporal applications on top of object DBMS. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 357-377. | 4.0 | 6 |
| 183 | Using CEP technology to adapt messages exchanged by web services. , 2008, , . | | 6 |
| 184 | Dimensions of coupling in middleware. Concurrency Computation Practice and Experience, 2009, 21, 2233-2269. | 1.4 | 6 |
| 185 | The Rise of the Estonian Start-Up Sphere. IT Professional, 2014, 16, 8-11. | 1.4 | 6 |
| 186 | Business Process Management Workshops. Lecture Notes in Business Information Processing, 2014, , . | 0.8 | 6 |
| 187 | Homophilic network decomposition: a community-centric analysis of online social services. Social Network Analysis and Mining, 2016, 6, 1. | 1.9 | 6 |
| 188 | Communication Abstractions for Distributed Business Processes. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2007, , 409-423. | 0.2 | 6 |
| 189 | Discovering data transfer routines from user interaction logs. Information Systems, 2022, 107, 101916. | 2.4 | 6 |
| 190 | Learning Accurate Business Process Simulation Models from Event Logs via Automated Process Discovery and Deep Learning. Lecture Notes in Computer Science, 2022, , 55-71. | 1.0 | 6 |
| 191 | The 3DMA Middleware for Mobile Applications. Lecture Notes in Computer Science, 2004, , 312-323. | 1.0 | 5 |
| 192 | Specification and execution of composite trading activities. Electronic Commerce Research, 2007, 7, 221-263. | 3.0 | 5 |
| 193 | Simulation-Based Evaluation of Workflow Escalation Strategies. , 2009, , . | | 5 |
| 194 | Towards a Formalization of Contracts for Service Substitution. , 2010, , . | | 5 |
| 195 | Modeling Software Processes Using BPMN: When and When Not?. , 2016, , 165-183. | | 5 |
| 196 | Semantic DMN: Formalizing and Reasoning About Decisions in the Presence of Background Knowledge. Theory and Practice of Logic Programming, 2019, 19, 536-573. | 1.1 | 5 |
| 197 | Silhouetting the Cost-Time Front: Multi-objective Resource Optimization in Business Processes. Lecture Notes in Business Information Processing, 2021, , 92-108. | 0.8 | 5 |
| 198 | Metaheuristic Optimization for Automated Business Process Discovery. Lecture Notes in Computer Science, 2019, , 268-285. | 1.0 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | Enforcing Policies and Guidelines in Web Portals: A Case Study. , 2007, , 154-165. | | 5 |
| 200 | Service-Enabled Process Management. , 2010, , 441-460. | | 5 |
| 201 | Managing Process Model Collections with AProMoRe. Lecture Notes in Computer Science, 2010, , 699-701. | 1.0 | 5 |
| 202 | A model for the configurable composition and synchronization of complex trading activities. , 2003, , . | | 4 |
| 203 | Redundancy detection in service-oriented systems. , 2010, , . | | 4 |
| 204 | Predicting the maintainability of XSL transformations. Science of Computer Programming, 2011, 76, 1161-1176. | 1.5 | 4 |
| 205 | Predictive Process Monitoring in Apromore. Lecture Notes in Business Information Processing, 2018, , 244-253. | 0.8 | 4 |
| 206 | Business Process Privacy Analysis in Pleak. Lecture Notes in Computer Science, 2019, , 306-312. | 1.0 | 4 |
| 207 | Adapting the CRISP-DM Data Mining Process: A Case Study in the Financial Services Domain. Lecture Notes in Business Information Processing, 2021, , 55-71. | 0.8 | 4 |
| 208 | Differential Privacy Analysis of Data Processing Workflows. Lecture Notes in Computer Science, 2016, , 62-79. | 1.0 | 4 |
| 209 | Business Process Graphs. Advances in Data Mining and Database Management Book Series, 0, , 421-437. | 0.4 | 4 |
| 210 | Semantic Issues in E-Commerce Systems. IFIP Advances in Information and Communication Technology, 2003, , . | 0.5 | 3 |
| 211 | Scaling Dynamic Web Content Provision Using Elapsed-Time-Based Content Degradation. Lecture Notes in Computer Science, 2004, , 559-571. | 1.0 | 3 |
| 212 | Designing Maintainable XML Transformations. , 2010, , . | | 3 |
| 213 | Configurable SOAP proxy cache for data provisioning web services. , 2011, , . | | 3 |
| 214 | Predicting Coding Effort in Projects Containing XML. , 2012, , . | | 3 |
| 215 | Discovering Business Process Simulation Models in the Presence of Multitasking. Lecture Notes in Business Information Processing, 2020, , 381-397. | 0.8 | 3 |
| 216 | Data-Driven Analysis of Batch Processing Inefficiencies in Business Processes. Lecture Notes in Business Information Processing, 2022, , 231-247. | 0.8 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 217 | A Sequence-Based Object-Oriented Model for Video Databases. Multimedia Tools and Applications, 2002, 18, 249-277. | 2.6 | 2 |
| 218 | Orchestrating interrelated trading activities. International Journal of Business Process Integration and Management, 2005, 1, 12. | 0.2 | 2 |
| 219 | Process Discovery. , 2013, , 155-184. | | 2 |
| 220 | Evaluation of trade-offs between workflow escalation strategies. Concurrent Engineering Research and Applications, 2014, 22, 77-88. | 2.0 | 2 |
| 221 | Community-Based Prediction of Activity Change in Skype. , 2015, , . | | 2 |
| 222 | Optimization framework for DFG-based automated process discovery approaches. Software and Systems Modeling, 2021, 20, 1245-1270. | 2.2 | 2 |
| 223 | Verification of Privacy-Enhanced Collaborations. , 2020, , . | | 2 |
| 224 | Pointwise Temporal Object Database Browsing. Lecture Notes in Computer Science, 2001, , 170-184. | 1.0 | 2 |
| 225 | Programming and Compiling Web Services in GPLS. Lecture Notes in Computer Science, 2005, , 508-513. | 1.0 | 2 |
| 226 | Event Structures as a Foundation for Process Model Differencing, Part 1: Acyclic processes. Lecture Notes in Computer Science, 2013, , 69-86. | 1.0 | 2 |
| 227 | Robotic Process Mining. Lecture Notes in Business Information Processing, 2022, , 468-491. | 0.8 | 2 |
| 228 | Experience Using a Coordination-Based Architecture for Adaptive Web Content Provision. Lecture Notes in Computer Science, 2005, , 140-156. | 1.0 | 1 |
| 229 | Specification of Composite Trading Activities in Supply Chain Management. , 0, , . | | 1 |
| 230 | Improving Web Service Survivability via Gracefully Degraded Substitution. , 2010, , . | | 1 |
| 231 | Quantitative Process Analysis. , 2013, , 213-251. | | 1 |
| 232 | Analyzing Web Services Networks: Theory and Practice. , 2014, , 381-406. | | 1 |
| 233 | Guest editorial: special issue on data and artifact-centric business processes. Computing (Vienna/New) Tj ETQq1 1 0.784314 1gBT /Over 3.2 1 | 3.2 | 1 |
| 234 | Process Monitoring. , 2018, , 413-473. | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Process Discovery. , 2018, , 159-212. | | 1 |
| 236 | Business Process Privacy Analysis in Pleak. Informatik-Spektrum, 2019, 42, 354-355. | 1.0 | 1 |
| 237 | Structuring Business Process Management. , 2019, , 203-211. | | 1 |
| 238 | Automated Discovery of Process Models with True Concurrency and Inclusive Choices. Lecture Notes in Business Information Processing, 2021, , 43-56. | 0.8 | 1 |
| 239 | Einführung in das Geschäftsprozessmanagement. , 2021, , 1-38. | | 1 |
| 240 | Disclosure Analysis of SQL Workflows. Lecture Notes in Computer Science, 2019, , 51-70. | 1.0 | 1 |
| 241 | Varying Resource Consumption to Achieve Scalable Web Services. Lecture Notes in Computer Science, 2003, , 179-190. | 1.0 | 1 |
| 242 | Detecting Behavioural Incompatibilities between Pairs of Services. Lecture Notes in Computer Science, 2009, , 79-90. | 1.0 | 1 |
| 243 | Business Process Modeling. , 2018, , 374-382. | | 1 |
| 244 | Designing a data mining process for the financial services domain. Journal of Business Analytics, 2023, 6, 140-166. | 1.8 | 1 |
| 245 | Guest editorial: Business process management. Data and Knowledge Engineering, 2009, 68, 775-776. | 2.1 | 0 |
| 246 | Towards an assessment model for balancing process model production and use. , 2014, , . | | 0 |
| 247 | Combining Propensity and Influence Models for Product Adoption Prediction. , 2015, , . | | 0 |
| 248 | Essential Process Modeling. , 2018, , 75-115. | | 0 |
| 249 | Quantitative Process Analysis. , 2018, , 255-296. | | 0 |
| 250 | Business Process Analytics: From Insights to Predictions. Communications in Computer and Information Science, 2018, , 15-20. | 0.4 | 0 |
| 251 | Prozessorientierte. , 2021, , 399-432. | | 0 |
| 252 | Fortgeschrittene Prozessmodellierung. , 2021, , 135-181. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | BPM als Unternehmensfähigkeit. , 2021, , 553-585. | | 0 |
| 254 | Quantitative Prozessanalyse. , 2021, , 299-346. | | 0 |
| 255 | Prozesserhebung. , 2021, , 183-247. | | 0 |
| 256 | Prozessidentifikation. , 2021, , 39-83. | | 0 |
| 257 | Multi-level privacy analysis of business processes: the Pleak toolset. International Journal on Software Tools for Technology Transfer, 0, , 1. | 1.7 | 0 |
| 258 | Prozessüberwachung. , 2021, , 481-551. | | 0 |
| 259 | PhDOOS 2000: The 10th Ph.D. Workshop on Object-Oriented Systems. Lecture Notes in Computer Science, 2000, , 78-92. | 1.0 | 0 |
| 260 | The Process Documentation Cube: A Model for Process Documentation Assessment. Lecture Notes in Business Information Processing, 2013, , 501-512. | 0.8 | 0 |
| 261 | NordiCloud 2013. , 2013, , . | | 0 |
| 262 | On the Suitability of Generalized Behavioral Profiles for Process Model Comparison. Lecture Notes in Computer Science, 2016, , 13-28. | 1.0 | 0 |
| 263 | Business Process Modeling. , 2017, , 1-8. | | 0 |
| 264 | Business Process Event Logs and Visualization. , 2019, , 398-409. | | 0 |
| 265 | Process-Oriented Assessment of Web Services. , 0, , 269-293. | | 0 |