

# Wil M P Van Der Aalst

## List of Publications by Year in descending order

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674  
papers

44,881  
citations

2538

96  
h-index

4323

173  
g-index

723  
all docs

723  
docs citations

723  
times ranked

8287  
citing authors

#	ARTICLE	IF	CITATIONS
1	Workflow Patterns. Distributed and Parallel Databases, 2003, 14, 5-51.	1.0	1,929
2	Workflow mining: discovering process models from event logs. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 1128-1142.	4.0	1,562
3	Process Mining. , 2011, , .		1,556
4	Process Mining. , 2016, , .		1,306
5	YAWL: yet another workflow language. Information Systems, 2005, 30, 245-275.	2.4	1,036
6	Conformance checking of processes based on monitoring real behavior. Information Systems, 2008, 33, 64-95.	2.4	870
7	Workflow mining: A survey of issues and approaches. Data and Knowledge Engineering, 2003, 47, 237-267.	2.1	802
8	Business Process Management: A Survey. Lecture Notes in Computer Science, 2003, , 1-12.	1.0	674
9	Business process mining: An industrial application. Information Systems, 2007, 32, 713-732.	2.4	575
10	Case handling: a new paradigm for business process support. Data and Knowledge Engineering, 2005, 53, 129-162.	2.1	572
11	Process Mining Manifesto. Lecture Notes in Business Information Processing, 2012, , 169-194.	0.8	546
12	Fuzzy Mining " Adaptive Process Simplification Based on Multi-perspective Metrics. Lecture Notes in Computer Science, 2007, , 328-343.	1.0	488
13	Business Process Management: A Comprehensive Survey. , 2013, 2013, 1-37.		473
14	Seven process modeling guidelines (7PMG). Information and Software Technology, 2010, 52, 127-136.	3.0	459
15	Replaying history on process models for conformance checking and performance analysis. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2012, 2, 182-192.	4.6	457
16	Formalization and verification of event-driven process chains. Information and Software Technology, 1999, 41, 639-650.	3.0	421
17	A configurable reference modelling language. Information Systems, 2007, 32, 1-23.	2.4	412
18	Blockchains for Business Process Management - Challenges and Opportunities. ACM Transactions on Management Information Systems, 2018, 9, 1-16.	2.1	404

#	ARTICLE	IF	CITATIONS
19	Verification of workflow nets. Lecture Notes in Computer Science, 1997, , 407-426.	1.0	402
20	Time prediction based on process mining. Information Systems, 2011, 36, 450-475.	2.4	386
21	Genetic process mining: an experimental evaluation. Data Mining and Knowledge Discovery, 2007, 14, 245-304.	2.4	372
22	Inheritance of workflows: an approach to tackling problems related to change. Theoretical Computer Science, 2002, 270, 125-203.	0.5	369
23	Discovering Social Networks from Event Logs. Computer Supported Cooperative Work, 2005, 14, 549-593.	1.9	354
24	Robotic Process Automation. Business and Information Systems Engineering, 2018, 60, 269-272.	4.0	349
25	Declarative workflows: Balancing between flexibility and support. Computer Science - Research and Development, 2009, 23, 99-113.	2.7	323
26	Discovering Block-Structured Process Models from Event Logs - A Constructive Approach. Lecture Notes in Computer Science, 2013, , 311-329.	1.0	322
27	DECLARE: Full Support for Loosely-Structured Processes. , 2007, , .		312
28	Process mining: a two-step approach to balance between underfitting and overfitting. Software and Systems Modeling, 2010, 9, 87-111.	2.2	308
29	Diagnosing Workflow Processes using Woflan. Computer Journal, 2001, 44, 246-279.	1.5	299
30	Soundness of workflow nets: classification, decidability, and analysis. Formal Aspects of Computing, 2011, 23, 333-363.	1.4	271
31	Data Science in Action. , 2016, , 3-23.		258
32	Towards comprehensive support for organizational mining. Decision Support Systems, 2008, 46, 300-317.	3.5	252
33	Mining process models with non-free-choice constructs. Data Mining and Knowledge Discovery, 2007, 15, 145-180.	2.4	250
34	Formal semantics and analysis of control flow in WS-BPEL. Science of Computer Programming, 2007, 67, 162-198.	1.5	247
35	Workflow Resource Patterns: Identification, Representation and Tool Support. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2005, , 216-232.	0.2	232
36	Conformance Checking Using Cost-Based Fitness Analysis. , 2011, , .		232

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37	Process Mining. ACM Transactions on Management Information Systems, 2012, 3, 1-17.	2.1	224
38	Verification Of Workflow Task Structures: A Petri-net-baset Approach. Information Systems, 2000, 25, 43-69.	2.4	223
39	Loosely coupled interorganizational workflows:. Information and Management, 2000, 37, 67-75.	3.6	218
40	Discovering simulation models. Information Systems, 2009, 34, 305-327.	2.4	205
41	Trace Clustering in Process Mining. Lecture Notes in Business Information Processing, 2009, , 109-120.	0.8	197
42	Discovering Block-Structured Process Models from Event Logs Containing Infrequent Behaviour. Lecture Notes in Business Information Processing, 2014, , 66-78.	0.8	197
43	CONFIGURABLE WORKFLOW MODELS. International Journal of Cooperative Information Systems, 2008, 17, 177-221.	0.6	181
44	Declarative specification and verification of service choreographiess. ACM Transactions on the Web, 2010, 4, 1-62.	2.0	178
45	Detection and prediction of errors in EPCs of the SAP reference model. Data and Knowledge Engineering, 2008, 64, 312-329.	2.1	177
46	Process Flexibility: A Survey of Contemporary Approaches. Lecture Notes in Business Information Processing, 2008, , 16-30.	0.8	177
47	APROMORE: An advanced process model repository. Expert Systems With Applications, 2011, 38, 7029-7040.	4.4	171
48	Worklets: A Service-Oriented Implementation of Dynamic Flexibility in Workflows. Lecture Notes in Computer Science, 2006, , 291-308.	1.0	165
49	Application of Process Mining in Healthcare " A Case Study in a Dutch Hospital. Communications in Computer and Information Science, 2008, , 425-438.	0.4	165
50	A general process mining framework for correlating, predicting and clustering dynamic behavior based on event logs. Information Systems, 2016, 56, 235-257.	2.4	165
51	From business process models to process-oriented software systems. ACM Transactions on Software Engineering and Methodology, 2009, 19, 1-37.	4.8	164
52	Auditing 2.0: Using Process Mining to Support Tomorrow's Auditor. Computer, 2010, 43, 90-93.	1.2	160
53	Process-oriented architectures for electronic commerce and interorganizational workflow. Information Systems, 1999, 24, 639-671.	2.4	159
54	Process mining. Communications of the ACM, 2012, 55, 76-83.	3.3	159

#	ARTICLE	IF	CITATIONS
55	Advances in business process management. Data and Knowledge Engineering, 2004, 50, 1-8.	2.1	156
56	Analysis of Web Services Composition Languages: The Case of BPEL4WS. Lecture Notes in Computer Science, 2003, , 200-215.	1.0	150
57	Workflow Exception Patterns. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2006, , 288-302.	0.2	149
58	Fundamentals of control flow in workflows. Acta Informatica, 2003, 39, 143-209.	0.5	146
59	Process Modeling using Event-Driven Process Chains. , 2005, , 119-145.		146
60	XES, XESame, and ProM 6. Lecture Notes in Computer Science, 2011, , 60-75.	1.0	146
61	Compliance monitoring in business processes: Functionalities, application, and tool-support. Information Systems, 2015, 54, 209-234.	2.4	146
62	On the Role of Fitness, Precision, Generalization and Simplicity in Process Discovery. Lecture Notes in Computer Science, 2012, , 305-322.	1.0	146
63	Balanced multi-perspective checking of process conformance. Computing (Vienna/New York), 2016, 98, 407-437.	3.2	142
64	Decomposing Petri nets for process mining: A generic approach. Distributed and Parallel Databases, 2013, 31, 471-507.	1.0	141
65	Scalable process discovery and conformance checking. Software and Systems Modeling, 2018, 17, 599-631.	2.2	141
66	Product-Based Workflow Design. Journal of Management Information Systems, 2003, 20, 229-262.	2.1	140
67	PM <sup>2</sup> : A Process Mining Project Methodology. Lecture Notes in Computer Science, 2015, , 297-313.	1.0	136
68	Dealing With Concept Drifts in Process Mining. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 154-171.	7.2	134
69	Monitoring Business Constraints with Linear Temporal Logic: An Approach Based on Colored Automata. Lecture Notes in Computer Science, 2011, , 132-147.	1.0	133
70	Mining Social Networks: Uncovering Interaction Patterns in Business Processes. Lecture Notes in Computer Science, 2004, , 244-260.	1.0	130
71	Deadline-based escalation in process-aware information systems. Decision Support Systems, 2007, 43, 492-511.	3.5	130
72	Context Aware Trace Clustering: Towards Improving Process Mining Results. , 2009, , .		128

#	ARTICLE	IF	CITATIONS
73	Model repair – aligning process models to reality. Information Systems, 2015, 47, 220-243.	2.4	127
74	XML-Based Schema Definition for Support of Interorganizational Workflow. Information Systems Research, 2003, 14, 23-46.	2.2	126
75	Supporting Flexible Processes through Recommendations Based on History. Lecture Notes in Computer Science, 2008, , 51-66.	1.0	125
76	PROCLETS: A FRAMEWORK FOR LIGHTWEIGHT INTERACTING WORKFLOW PROCESSES. International Journal of Cooperative Information Systems, 2001, 10, 443-481.	0.6	124
77	Modeling Business Processes. , 2011, , .		122
78	Exterminating the Dynamic Change Bug: A Concrete Approach to Support Workflow Change. , 2001, 3, 297-317.		121
79	Workflow simulation for operational decision support. Data and Knowledge Engineering, 2009, 68, 834-850.	2.1	121
80	Business alignment: using process mining as a tool for Delta analysis and conformance testing. Requirements Engineering, 2005, 10, 198-211.	2.1	120
81	Quality Dimensions in Process Discovery: The Importance of Fitness, Precision, Generalization and Simplicity. International Journal of Cooperative Information Systems, 2014, 23, 1440001.	0.6	120
82	Process Mining in Healthcare. SpringerBriefs in Business Process Management, 2015, , .	0.2	120
83	BRIDGING THE GAP BETWEEN BUSINESS MODELS AND WORKFLOW SPECIFICATIONS. International Journal of Cooperative Information Systems, 2004, 13, 289-332.	0.6	118
84	Business Process Variability Modeling. ACM Computing Surveys, 2018, 50, 1-45.	16.1	118
85	From BPMN Process Models to BPEL Web Services. , 2006, , .		117
86	Business Process Management Demystified: A Tutorial on Models, Systems and Standards for Workflow Management. Lecture Notes in Computer Science, 2004, , 1-65.	1.0	116
87	Inheritance of behavior. The Journal of Logic and Algebraic Programming, 2001, 47, 47-145.	1.4	115
88	Business process verification – finally a reality!. Business Process Management Journal, 2009, 15, 74-92.	2.4	115
89	Data-aware process mining. , 2013, , .		115
90	Process Mining and Security: Detecting Anomalous Process Executions and Checking Process Conformance. Electronic Notes in Theoretical Computer Science, 2005, 121, 3-21.	0.9	114

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91	Business process redesign: A Petri-net-based approach. Computers in Industry, 1996, 29, 15-26.	5.7	113
92	Design and Implementation of the YAWL System. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2004, , 142-159.	0.2	112
93	A novel approach for process mining based on event types. Journal of Intelligent Information Systems, 2009, 32, 163-190.	2.8	112
94	Declarative process mining in healthcare. Expert Systems With Applications, 2015, 42, 9236-9251.	4.4	112
95	Questionnaire-based variability modeling for system configuration. Software and Systems Modeling, 2009, 8, 251-274.	2.2	111
96	A recommendation system for predicting risks across multiple business process instances. Decision Support Systems, 2015, 69, 1-19.	3.5	110
97	A formal modeling approach for supply chain event management. Decision Support Systems, 2007, 43, 761-778.	3.5	109
98	Pattern-Based Translation of BPMN Process Models to BPEL Web Services. International Journal of Web Services Research, 2008, 5, 42-62.	0.5	107
99	Reinforcement learning based resource allocation in business process management. Data and Knowledge Engineering, 2011, 70, 127-145.	2.1	107
100	Data-Flow Anti-patterns: Discovering Data-Flow Errors in Workflows. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2009, , 425-439.	0.2	107
101	Dynamic Work Distribution in Workflow Management Systems: How to Balance Quality and Performance. Journal of Management Information Systems, 2002, 18, 157-193.	2.1	105
102	Multiparty Contracts: Agreeing and Implementing Interorganizational Processes. Computer Journal, 2010, 53, 90-106.	1.5	105
103	Business Process Management. Business and Information Systems Engineering, 2016, 58, 1-6.	4.0	105
104	Single-Entry Single-Exit decomposed conformance checking. Information Systems, 2014, 46, 102-122.	2.4	104
105	Managing Process Model Complexity via Concrete Syntax Modifications. IEEE Transactions on Industrial Informatics, 2011, 7, 255-265.	7.2	103
106	Wanna improve process mining results?. , 2013, , .		103
107	Quantifying process equivalence based on observed behavior. Data and Knowledge Engineering, 2008, 64, 55-74.	2.1	102
108	Measuring precision of modeled behavior. Information Systems and E-Business Management, 2015, 13, 37-67.	2.2	101

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109	User-guided discovery of declarative process models. , 2011, , .		99
110	Using process mining to learn from process changes in evolutionary systems. International Journal of Business Process Integration and Management, 2008, 3, 61.	0.2	95
111	Preserving correctness during business process model configuration. Formal Aspects of Computing, 2010, 22, 459-482.	1.4	94
112	Process Mining Applied to the Test Process of Wafer Scanners in ASML. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2009, 39, 474-479.	3.3	93
113	The P2P Approach to Interorganizational Workflows. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2001, , 140-156.	0.2	92
114	Abstractions in Process Mining: A Taxonomy of Patterns. Lecture Notes in Computer Science, 2009, , 159-175.	1.0	92
115	Process diagnostics using trace alignment: Opportunities, issues, and challenges. Information Systems, 2012, 37, 117-141.	2.4	91
116	Discovering Block-Structured Process Models from Incomplete Event Logs. Lecture Notes in Computer Science, 2014, , 91-110.	1.0	91
117	Process mining for healthcare: Characteristics and challenges. Journal of Biomedical Informatics, 2022, 127, 103994.	2.5	91
118	Mining process models with prime invisible tasks. Data and Knowledge Engineering, 2010, 69, 999-1021.	2.1	90
119	Managing Process Model Complexity Via Abstract Syntax Modifications. IEEE Transactions on Industrial Informatics, 2011, 7, 614-629.	7.2	89
120	Processes driving the networked economy. IEEE Concurrency, 1999, 7, 18-31.	0.8	88
121	Trace Clustering Based on Conserved Patterns: Towards Achieving Better Process Models. Lecture Notes in Business Information Processing, 2010, , 170-181.	0.8	88
122	The Case Handling Case. International Journal of Cooperative Information Systems, 2003, 12, 365-391.	0.6	87
123	Cycle Time Prediction: When Will This Case Finally Be Finished?. Lecture Notes in Computer Science, 2008, , 319-336.	1.0	87
124	Workflow Mining: Current Status and Future Directions. Lecture Notes in Computer Science, 2003, , 389-406.	1.0	86
125	Complexity metrics for Workflow nets. Information and Software Technology, 2009, 51, 610-626.	3.0	85
126	A genetic algorithm for discovering process trees. , 2012, , .		85



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127	Product-based workflow support. <i>Information Systems</i> , 2011, 36, 517-535.	2.4	84
128	Handling Concept Drift in Process Mining. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2011, , 391-405.	0.2	84
129	Process querying: Enabling business intelligence through query-based process analytics. <i>Decision Support Systems</i> , 2017, 100, 41-56.	3.5	83
130	The effectiveness of workflow management systems: Predictions and lessons learned. <i>International Journal of Information Management</i> , 2005, 25, 458-472.	10.5	82
131	Translating unstructured workflow processes to readable BPEL: Theory and implementation. <i>Information and Software Technology</i> , 2008, 50, 131-159.	3.0	82
132	Efficient Discovery of Understandable Declarative Process Models from Event Logs. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2012, , 270-285.	0.2	82
133	A reference model for team-enabled workflow management systems. <i>Data and Knowledge Engineering</i> , 2001, 38, 335-363.	2.1	81
134	Conformance checking of service behavior. <i>ACM Transactions on Internet Technology</i> , 2008, 8, 1-30.	3.0	81
135	Process Mining Put into Context. <i>IEEE Internet Computing</i> , 2012, 16, 82-86.	3.2	80
136	A Pattern-based Analysis of Clinical Computer-interpretable Guideline Modeling Languages. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2007, 14, 781-787.	2.2	79
137	Process Mining in Healthcare: Data Challenges When Answering Frequently Posed Questions. <i>Lecture Notes in Computer Science</i> , 2013, , 140-153.	1.0	78
138	Understanding the Occurrence of Errors in Process Models Based on Metrics. <i>Lecture Notes in Computer Science</i> , 2007, , 113-130.	1.0	78
139	Process Mining Framework for Software Processes. <i>Lecture Notes in Computer Science</i> , 2007, , 169-181.	1.0	77
140	On a Quest for Good Process Models: The Cross-Connectivity Metric. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2008, , 480-494.	0.2	76
141	Evaluating workflow process designs using cohesion and coupling metrics. <i>Computers in Industry</i> , 2008, 59, 420-437.	5.7	75
142	An alignment-based framework to check the conformance of declarative process models and to preprocess event-log data. <i>Information Systems</i> , 2015, 47, 258-277.	2.4	75
143	Process Mining Based on Clustering: A Quest for Precision. <i>Lecture Notes in Computer Science</i> , 2008, , 17-29.	1.0	75
144	Conceptual model for online auditing. <i>Decision Support Systems</i> , 2011, 50, 636-647.	3.5	74

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145	Process Discovery: Capturing the Invisible. IEEE Computational Intelligence Magazine, 2010, 5, 28-41.	3.4	73
146	Alignment Based Precision Checking. Lecture Notes in Business Information Processing, 2013, , 137-149.	0.8	73
147	Dynamic, Extensible and Context-Aware Exception Handling for Workflows. Lecture Notes in Computer Science, 2007, , 95-112.	1.0	70
148	Object-Centric Process Mining: Dealing with Divergence and Convergence in Event Data. Lecture Notes in Computer Science, 2019, , 3-25.	1.0	70
149	Where Did I Misbehave? Diagnostic Information in Compliance Checking. Lecture Notes in Computer Science, 2012, , 262-278.	1.0	70
150	Towards Robust Conformance Checking. Lecture Notes in Business Information Processing, 2011, , 122-133.	0.8	69
151	Extracting Event Data from Databases to Unleash Process Mining. Management for Professionals, 2015, , 105-128.	0.3	69
152	Mining local process models. Journal of Innovation in Digital Ecosystems, 2016, 3, 183-196.	1.3	69
153	Service Interaction: Patterns, Formalization, and Analysis. Lecture Notes in Computer Science, 2009, , 42-88.	1.0	69
154	A Rule-Based Approach for Process Discovery: Dealing with Noise and Imbalance in Process Logs. Data Mining and Knowledge Discovery, 2006, 13, 67-87.	2.4	68
155	Responsible Data Science. Business and Information Systems Engineering, 2017, 59, 311-313.	4.0	68
156	A Computer Science Perspective on Digital Transformation in Production. ACM Transactions on Internet of Things, 2022, 3, 1-32.	3.4	68
157	Data Scientist: The Engineer of the Future. Proceedings of the I-ESA Conference, 2014, , 13-26.	0.4	67
158	Processes Meet Big Data: Connecting Data Science with Process Science. IEEE Transactions on Services Computing, 2015, 8, 810-819.	3.2	66
159	Verification of the SAP reference models using EPC reduction, state-space analysis, and invariants. Computers in Industry, 2007, 58, 578-601.	5.7	65
160	Finding Structure in Unstructured Processes: The Case for Process Mining. , 2007, , .		64
161	Beyond Process Mining: From the Past to Present and Future. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2010, , 38-52.	0.2	64
162	Process-Aware Information Systems: Lessons to Be Learned from Process Mining. Lecture Notes in Computer Science, 2009, , 1-26.	1.0	64

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163	On the automatic generation of workflow processes based on product structures. Computers in Industry, 1999, 39, 97-111.	5.7	63
164	Mining of ad-hoc business processes with TeamLog. Data and Knowledge Engineering, 2005, 55, 129-158.	2.1	63
165	WofBPEL: A Tool for Automated Analysis of BPEL Processes. Lecture Notes in Computer Science, 2005, , 484-489.	1.0	62
166	Aligning Event Logs and Process Models for Multi-perspective Conformance Checking: An Approach Based on Integer Linear Programming. Lecture Notes in Computer Science, 2013, , 113-129.	1.0	62
167	Change Mining in Adaptive Process Management Systems. Lecture Notes in Computer Science, 2006, , 309-326.	1.0	60
168	Service Mining: Using Process Mining to Discover, Check, and Improve Service Behavior. IEEE Transactions on Services Computing, 2013, 6, 525-535.	3.2	59
169	Making Work Flow: On the Application of Petri Nets to Business Process Management. Lecture Notes in Computer Science, 2002, , 1-22.	1.0	58
170	Merging Event-Driven Process Chains. Lecture Notes in Computer Science, 2008, , 418-426.	1.0	58
171	Configurable Process Models: Experiences from a Municipality Case Study. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2009, , 486-500.	0.2	58
172	Process mining using BPMN: relating event logs and process models. Software and Systems Modeling, 2017, 16, 1019-1048.	2.2	57
173	Data-Driven Process Discovery - Revealing Conditional Infrequent Behavior from Event Logs. Lecture Notes in Computer Science, 2017, , 545-560.	1.0	57
174	Verifying Workflows with Cancellation Regions and OR-joins: An Approach Based on Relaxed Soundness and Invariants. Computer Journal, 2007, 50, 294-314.	1.5	56
175	Business Process Simulation Revisited. Lecture Notes in Business Information Processing, 2010, , 1-14.	0.8	56
176	Control-flow discovery from event streams. , 2014, , .		56
177	Re-engineering knock-out processes. Decision Support Systems, 2001, 30, 451-468.	3.5	55
178	Process Cubes: Slicing, Dicing, Rolling Up and "Drilling Down" Event Data for Process Mining. Lecture Notes in Business Information Processing, 2013, , 1-22.	0.8	55
179	Activity Mining by Global Trace Segmentation. Lecture Notes in Business Information Processing, 2010, , 128-139.	0.8	55
180	Discovering colored Petri nets from event logs. International Journal on Software Tools for Technology Transfer, 2008, 10, 57-74.	1.7	54

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181	Event stream-based process discovery using abstract representations. Knowledge and Information Systems, 2018, 54, 407-435.	2.1	54
182	Aligning Event Logs and Declarative Process Models for Conformance Checking. Lecture Notes in Computer Science, 2012, , 82-97.	1.0	53
183	Process mining can be applied to software too!. , 2014, , .		53
184	Privacy-Preserving Process Mining in Healthcare. International Journal of Environmental Research and Public Health, 2020, 17, 1612.	1.2	53
185	Business process management: a personal view. Business Process Management Journal, 2004, 10, .	2.4	53
186	Component-based software architectures: a framework based on inheritance of behavior. Science of Computer Programming, 2002, 42, 129-171.	1.5	52
187	Simplifying discovered process models in a controlled manner. Information Systems, 2013, 38, 585-605.	2.4	52
188	Monitoring business constraints with the event calculus. ACM Transactions on Intelligent Systems and Technology, 2013, 5, 1-30.	2.9	52
189	Online conformance checking: relating event streams to process models using prefix-alignments. International Journal of Data Science and Analytics, 2019, 8, 269-284.	2.4	52
190	Business Process Simulation. , 2010, , 313-338.		51
191	Process mining techniques: an application to stroke care. Studies in Health Technology and Informatics, 2008, 136, 573-8.	0.2	51
192	Workflow patterns put into context. Software and Systems Modeling, 2012, 11, 319-323.	2.2	50
193	Business Process Simulation Survival Guide. , 2015, , 337-370.		50
194	Analyzing Resource Behavior Using Process Mining. Lecture Notes in Business Information Processing, 2010, , 69-80.	0.8	50
195	Trace Alignment in Process Mining: Opportunities for Process Diagnostics. Lecture Notes in Computer Science, 2010, , 227-242.	1.0	50
196	Workflow Patterns. , 2016, , .		50
197	Putting high-level Petri nets to work in industry. Computers in Industry, 1994, 25, 45-54.	5.7	49
198	Impact-Driven Process Model Repair. ACM Transactions on Software Engineering and Methodology, 2017, 25, 1-60.	4.8	49

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199	Discovering more precise process models from event logs by filtering out chaotic activities. Journal of Intelligent Information Systems, 2019, 52, 107-139.	2.8	49
200	Woflan 2.0 A Petri-Net-Based Workflow Diagnosis Tool. Lecture Notes in Computer Science, 2000, , 475-484.	1.0	48
201	The Need for a Process Mining Evaluation Framework in Research and Practice. Lecture Notes in Computer Science, 2008, , 84-89.	1.0	48
202	Flexibility as a Service. Lecture Notes in Computer Science, 2009, , 319-333.	1.0	48
203	Repairing Process Models to Reflect Reality. Lecture Notes in Computer Science, 2012, , 229-245.	1.0	48
204	Supporting Risk-Informed Decisions during Business Process Execution. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2013, , 116-132.	0.2	48
205	Scalable Process Discovery with Guarantees. Lecture Notes in Business Information Processing, 2015, , 85-101.	0.8	48
206	Discovering Object-centric Petri Nets. Fundamenta Informaticae, 2020, 175, 1-40.	0.3	48
207	A survey of patterns for Service-Oriented Architectures. International Journal of Internet Protocol Technology, 2006, 1, 132.	0.2	47
208	DECLARE: Full Support for Loosely-Structured Processes. 2006 10th IEEE International Enterprise Distributed Object Computing Conference (EDOC'06), 2007, , .	0.0	47
209	Discovering workflow nets using integer linear programming. Computing (Vienna/New York), 2018, 100, 529-556.	3.2	47
210	Causal Nets: A Modeling Language Tailored towards Process Discovery. Lecture Notes in Computer Science, 2011, , 28-42.	1.0	47
211	Runtime Verification of LTL-Based Declarative Process Models. Lecture Notes in Computer Science, 2012, , 131-146.	1.0	47
212	Mining Resource Profiles from Event Logs. ACM Transactions on Management Information Systems, 2017, 8, 1-30.	2.1	46
213	Anomaly Detection Using Process Mining. Lecture Notes in Business Information Processing, 2009, , 149-161.	0.8	46
214	Mining Configurable Process Models from Collections of Event Logs. Lecture Notes in Computer Science, 2013, , 33-48.	1.0	46
215	Web service composition languages: old wine in New bottles?. , 2003, , .		45
216	From Low-Level Events to Activities - A Pattern-Based Approach. Lecture Notes in Computer Science, 2016, , 125-141.	1.0	45

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217	The imprecisions of precision measures in process mining. Information Processing Letters, 2018, 135, 1-8.	0.4	44
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