Jan Mendling

List of Publications by Citations

309 papers	9,348 citations	46 h-index	86 g-index
324 ext. papers	10,689 ext. citations	1.8 avg, IF	6.71 L-index

#	Paper	IF	Citations
309	Fundamentals of Business Process Management **2013**,		561
308	Seven process modeling guidelines (7PMG). *Information and Software Technology*, **2010**, 52, 127-136	3.4	375
307	Similarity of business process models: Metrics and evaluation. *Information Systems*, **2011**, 36, 498-516	2.7	372
306	Process Mining Manifesto. *Lecture Notes in Business Information Processing*, **2012**, 169-194	0.6	347
305	Fundamentals of Business Process Management **2018**,		326
304	Blockchains for Business Process Management - Challenges and Opportunities. *ACM Transactions on Management Information Systems*, **2018**, 9, 1-16	2	246
303	Untrusted Business Process Monitoring and Execution Using Blockchain. *Lecture Notes in Computer Science*, **2016**, 329-347	0.9	198
302	Activity labeling in process modeling: Empirical insights and recommendations. *Information Systems* , **2010**, 35, 467-482	2.7	171
301	A Study Into the Factors That Influence the Understandability of Business Process Models. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2011**, 41, 449-462		159
300	What Makes Process Models Understandable? **2007**, 48-63		155
299	Detection and prediction of errors in EPCs of the SAP reference model. *Data and Knowledge Engineering*, **2008**, 64, 312-329	1.5	153
298	Refactoring large process model repositories. *Computers in Industry*, **2011**, 62, 467-486	11.6	149
297	APROMORE: An advanced process model repository. *Expert Systems With Applications*, **2011**, 38, 7029-7040		138
296	Efficient Consistency Measurement Based on Behavioral Profiles of Process Models. *IEEE Transactions on Software Engineering*, **2011**, 37, 410-429	3.5	129
295	Conceptualizing smart service systems. *Electronic Markets*, **2019**, 29, 7-18	4.8	129
294	Configurable multi-perspective business process models. *Information Systems*, **2011**, 36, 313-340	2.7	127
293	From business process models to process-oriented software systems. *ACM Transactions on Software Engineering and Methodology*, **2009**, 19, 1-37	3.3	126

292	Metrics for Process Models. *Lecture Notes in Business Information Processing*, **2008**,	0.6	114
291	Factors of process model comprehension—findings from a series of experiments. *Decision Support Systems*, **2012**, 53, 195-206	5.6	113
290	Measuring Similarity between Business Process Models. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, **2008**, 450-464	0.3	104
289	Human and automatic modularizations of process models to enhance their comprehension. *Information Systems*, **2011**, 36, 881-897	2.7	92
288	The ICoP Framework: Identification of Correspondences between Process Models. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, **2010**, 483-498	0.3	88
287	Process compliance analysis based on behavioural profiles. *Information Systems*, **2011**, 36, 1009-1025	2.7	87
286	Managing Process Model Complexity via Concrete Syntax Modifications. *IEEE Transactions on Industrial Informatics*, **2011**, 7, 255-265	11.9	86
285	Making sense of business process descriptions: An experimental comparison of graphical and textual notations. *Journal of Systems and Software*, **2012**, 85, 596-606	3.3	84
284	Process Model Generation from Natural Language Text. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, **2011**, 482-496	0.3	82
283	On the refactoring of activity labels in business process models. *Information Systems*, **2012**, 37, 443-459	2.7	81
282	Preserving correctness during business process model configuration. *Formal Aspects of Computing*, **2010**, 22, 459-482	1.2	78
281	Imperative versus Declarative Process Modeling Languages: An Empirical Investigation. *Lecture Notes in Business Information Processing*, **2012**, 383-394	0.6	78
280	Modeling process-related RBAC models with extended UML activity models. *Information and Software Technology*, **2011**, 53, 456-483	3.4	75
279	Bridging abstraction layers in process mining. *Information Systems*, **2014**, 46, 123-139	2.7	73
278	Managing Process Model Complexity Via Abstract Syntax Modifications. *IEEE Transactions on Industrial Informatics*, **2011**, 7, 614-629	11.9	67
277	Beyond soundness: on the verification of semantic business process models. *Distributed and Parallel Databases*, **2010**, 27, 271-343	0.9	67
276	Syntax highlighting in business process models. *Decision Support Systems*, **2011**, 51, 339-349	5.6	66
275	Modularity in Process Models: Review and Effects. *Lecture Notes in Computer Science*, **2008**, 20-35	0.9	66

274	Thresholds for error probability measures of business process models. *Journal of Systems and Software*, **2012**, 85, 1188-1197	3.3	62
273	Understanding the Occurrence of Errors in Process Models Based on Metrics. *Lecture Notes in Computer Science*, **2007**, 113-130	0.9	59
272	On a Quest for Good Process Models: The Cross-Connectivity Metric. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, **2008**, 480-494	0.3	58
271	Declarative versus Imperative Process Modeling Languages: The Issue of Understandability. *Lecture Notes in Business Information Processing*, **2009**, 353-366	0.6	57
270	The State of the Art of Business Process Management Research as Published in the BPM Conference. *Business and Information Systems Engineering*, **2016**, 58, 55-72	3.8	54
269	Supporting Process Model Validation through Natural Language Generation. *IEEE Transactions on Software Engineering*, **2014**, 40, 818-840	3.5	51
268	Structuredness and its significance for correctness of process models. *Information Systems and E-Business Management*, **2010**, 8, 287-307	2.6	50
267	An empirical analysis of the factors and measures of Enterprise Architecture Management success. *European Journal of Information Systems*, **2016**, 25, 411-431	6.4	49
266	The Influence of Notational Deficiencies on Process Model Comprehension. *Journal of the Association for Information Systems*, **2013**, 14, 312-338	1.8	48
265	Beyond Control-Flow: Extending Business Process Configuration to Roles and Objects. *Lecture Notes in Computer Science*, **2008**, 199-215	0.9	48
264	The Impact of Secondary Notation on Process Model Understanding. *Lecture Notes in Business Information Processing*, **2009**, 161-175	0.6	48
263	Probabilistic Optimization of Semantic Process Model Matching. *Lecture Notes in Computer Science*, **2012**, 319-334	0.9	46
262	Quality indicators for business process models from a gateway complexity perspective. *Information and Software Technology*, **2012**, 54, 1159-1174	3.4	46
261	EPC markup language (EPML): an XML-based interchange format for event-driven process chains (EPC). *Information Systems and E-Business Management*, **2006**, 4, 245-263	2.6	46
260	Influence Factors of Understanding Business Process Models. *Lecture Notes in Business Information Processing*, **2008**, 142-153	0.6	46
259	Resolving inconsistencies and redundancies in declarative process models. *Information Systems*, **2017**, 64, 425-446	2.7	45
258	Value-oriented process modeling: integrating financial perspectives into business process re-design. *Business Process Management Journal*, **2010**, 16, 333-356	3.6	44
257	On the Usage of Labels and Icons in Business Process Modeling. *International Journal of Information System Modeling and Design*, **2010**, 1, 40-58	0.8	42

256	Increasing Recall of Process Model Matching by Improved Activity Label Matching. *Lecture Notes in Computer Science*, **2013**, 211-218	0.9	41
255	Empirical Studies in Process Model Verification. *Lecture Notes in Computer Science*, **2009**, 208-224	0.9	41
254	A Critical Evaluation and Framework of Business Process Improvement Methods. *Business and Information Systems Engineering*, **2016**, 58, 43-53	3.8	40
253	Validation of Metrics as Error Predictors. *Lecture Notes in Business Information Processing*, **2008**, 135-150	0.6	39
252	Building a complementary agenda for business process management and digital innovation. *European Journal of Information Systems*, **2020**, 29, 208-219	6.4	39
251	Detection of naming convention violations in process models for different languages. *Decision Support Systems*, **2013**, 56, 310-325	5.6	38
250	Process instantiation. *Data and Knowledge Engineering*, **2009**, 68, 777-792	1.5	38
249	The Internet of Things Meets Business Process Management: A Manifesto. *IEEE Systems, Man, and Cybernetics Magazine*, **2020**, 6, 34-44	1.6	38
248	How do Machine Learning, Robotic Process Automation, and Blockchains Affect the Human Factor in Business Process Management?. *Communications of the Association for Information Systems*, **2018**, 297-320	1.3	38
247	From WS-CDL choreography to BPEL process orchestration. *Journal of Enterprise Information Management*, **2008**, 21, 525-542	4.4	37
246	Tracing the Process of Process Modeling with Modeling Phase Diagrams. *Lecture Notes in Business Information Processing*, **2012**, 370-382	0.6	37
245	Event-Based Monitoring of Process Execution Violations. *Lecture Notes in Computer Science*, **2011**, 182-198	0.9	35
244	Automatic Detection and Resolution of Lexical Ambiguity in Process Models. *IEEE Transactions on Software Engineering*, **2015**, 41, 526-544	3.5	34
243	Tying Process Model Quality to the Modeling Process: The Impact of Structuring, Movement, and Speed. *Lecture Notes in Computer Science*, **2012**, 33-48	0.9	33
242	Causal Behavioural Profiles Efficient Computation, Applications, and Evaluation. *Fundamenta Informaticae*, **2011**, 113, 399-435	1	33
241	Business Process Design by View Integration. *Lecture Notes in Computer Science*, **2006**, 55-64	0.9	33
240	Propagating changes between aligned process models. *Journal of Systems and Software*, **2012**, 85, 1885-1898	3.9	32
239	A study on the effects of routing symbol design on process model comprehension. *Decision Support Systems*, **2013**, 54, 1104-1118	5.6	32

238	Learning from Quality Issues of BPMN Models from Industry. *IEEE Software*, **2016**, 33, 26-33	1.5	31
237	Formalization and Verification of EPCs with OR-Joins Based on State and Context. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, **2007**, 439-453	0.3	31
236	Efficient discovery of Target-Branched Declare constraints. *Information Systems*, **2016**, 56, 258-283	2.7	31
235	Enhancing understandability of process models through cultural-dependent color adjustments. *Decision Support Systems*, **2016**, 87, 1-12	5.6	30
234	Using business process models to better understand the dependencies among user stories. *Information and Software Technology*, **2016**, 71, 58-76	3.4	30
233	Correctness-Preserving Configuration of Business Process Models. *Lecture Notes in Computer Science*, **2008**, 46-61	0.9	30
232	Dimensions of Business Processes Quality (QoBP). *Lecture Notes in Business Information Processing*, **2009**, 80-91	0.6	30
231	Refactoring of Process Model Activity Labels. *Lecture Notes in Computer Science*, **2010**, 268-276	0.9	30
230	Detecting flight trajectory anomalies and predicting diversions in freight transportation. *Decision Support Systems*, **2016**, 88, 1-17	5.6	30
229	From Inter-organizational Workflows to Process Execution: Generating BPEL from WS-CDL. *Lecture Notes in Computer Science*, **2005**, 506-515	0.9	30
228	RALph: A Graphical Notation for Resource Assignments in Business Processes. *Lecture Notes in Computer Science*, **2015**, 53-68	0.9	29
227	Styles in business process modeling: an exploration and a model. *Software and Systems Modeling*, **2015**, 14, 1055-1080	1.9	29
226	Report: The Process Model Matching Contest 2013. *Lecture Notes in Business Information Processing* , **2014**, 442-463	0.6	29
225	Action patterns in business process model repositories. *Computers in Industry*, **2012**, 63, 98-111	11.6	29
224	Change Propagation in Process Models Using Behavioural Profiles **2009**,		29
223	Discovery of Multi-perspective Declarative Process Models. *Lecture Notes in Computer Science*, **2016** , 87-103	0.9	29
222	A framework for efficiently mining the organisational perspective of business processes. *Decision Support Systems*, **2016**, 89, 87-97	5.6	29
221	Blockchain Support for Collaborative Business Processes. *Informatik-Spektrum*, **2019**, 42, 182-190	0.3	28

220	Challenges of smart business process management: An introduction to the special issue. *Decision Support Systems*, **2017**, 100, 1-5	5.6	28
219	On the transformation of control flow between block-oriented and graph-oriented process modelling languages. *International Journal of Business Process Integration and Management*, **2008**, 3, 96	0.8	28
218	On Measuring the Understandability of Process Models. *Lecture Notes in Business Information Processing*, **2010**, 465-476	0.6	27
217	Metrics for Business Process Models. *Lecture Notes in Business Information Processing*, **2008**, 103-133	0.6	26
216	Predictive Task Monitoring for Business Processes. *Lecture Notes in Computer Science*, **2014**, 424-432	0.9	26
215	Blockchain-Based Traceability of Inter-organisational Business Processes. *Lecture Notes in Business Information Processing*, **2018**, 56-68	0.6	25
214	How visual cognition influences process model comprehension. *Decision Support Systems*, **2017**, 96, 1-16	5.6	24
213	Bridging Abstraction Layers in Process Mining by Automated Matching of Events and Activities. *Lecture Notes in Computer Science*, **2013**, 17-32	0.9	24
212	Applying Process Mining to Smart Spaces: Perspectives and Research Challenges. *Lecture Notes in Business Information Processing*, **2015**, 298-304	0.6	24
211	Efficient Computation of Causal Behavioural Profiles Using Structural Decomposition. *Lecture Notes in Computer Science*, **2010**, 63-83	0.9	24
210	Understanding Business Process Models: The Costs and Benefits of Structuredness. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, **2012**, 31-46	0.3	24
209	Towards Living Inter-organizational Processes **2013**,		23
208	Business Process Model Abstraction Based on Behavioral Profiles. *Lecture Notes in Computer Science*, **2010**, 1-16	0.9	23
207	Monotone Precision and Recall Measures for Comparing Executions and Specifications of Dynamic Systems. *ACM Transactions on Software Engineering and Methodology*, **2020**, 29, 1-41	3.3	23
206	Assessing the Impact of Hierarchy on Model Understandability □A Cognitive Perspective. *Lecture Notes in Computer Science*, **2012**, 123-133	0.9	23
205	The ROAD from Sensor Data to Process Instances via Interaction Mining. *Lecture Notes in Computer Science*, **2016**, 257-273	0.9	23
204	How collaborative technology supports cognitive processes in collaborative process modeling: A capabilities-gains-outcome model. *Information Systems*, **2013**, 38, 1031-1045	2.7	22
203	Generating Natural Language Texts from Business Process Models. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, **2012**, 64-79	0.3	22

202	Efficient and Customisable Declarative Process Mining with SQL. *Lecture Notes in Computer Science*, **2016**, 290-305	0.9	22
201	Vertical Alignment of Process Models How Can We Get There?. *Lecture Notes in Business Information Processing*, **2009**, 71-84	0.6	22
200	Perceived consistency between process models. *Information Systems*, **2012**, 37, 80-98	2.7	21
199	Optimizing Event Pattern Matching Using Business Process Models. *IEEE Transactions on Knowledge and Data Engineering*, **2014**, 26, 2759-2773	4.2	21
198	Action Patterns in Business Process Models. *Lecture Notes in Computer Science*, **2009**, 115-129	0.9	21
197	How the Structuring of Domain Knowledge Helps Casual Process Modelers. *Lecture Notes in Computer Science*, **2010**, 445-451	0.9	21
196	Quality Assessment of Business Process Models Based on Thresholds. *Lecture Notes in Computer Science*, **2010**, 78-95	0.9	21
195	Task-specific visual cues for improving process model understanding. *Information and Software Technology*, **2016**, 79, 63-78	3.4	20
194	Cost-Efficient Scheduling of Elastic Processes in Hybrid Clouds **2015**,		20
193	BUSINESS PROCESS MODEL ABSTRACTION BASED ON SYNTHESIS FROM WELL-STRUCTURED BEHAVIORAL PROFILES. *International Journal of Cooperative Information Systems*, **2012**, 21, 55-83	0.6	20
192	Simplifying process model abstraction: Techniques for generating model names. *Information Systems*, **2014**, 39, 134-151	2.7	19
191	Eye-Tracking the Factors of Process Model Comprehension Tasks. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, **2013**, 224-239	0.3	19
190	An Experts' Perspective on Enterprise Architecture Goals, Framework Adoption and Benefit Assessment **2011**,		19
189	Priority-Based Human Resource Allocation in Business Processes. *Lecture Notes in Computer Science* , **2013**, 374-388	0.9	19
188	Mining the Organisational Perspective in Agile Business Processes. *Lecture Notes in Business Information Processing*, **2015**, 37-52	0.6	18
187	Declarative versus Imperative Process Modeling Languages: The Issue of Maintainability. *Lecture Notes in Business Information Processing*, **2010**, 477-488	0.6	18
186	Using Process Mining to Support Theorizing About Change in Organizations **2020**,		18
185	On the Cognitive Effectiveness of Routing Symbols in Process Modeling Languages. *Lecture Notes in Business Information Processing*, **2010**, 230-241	0.6	18

184	Business process improvement with the AB-BPM methodology. *Information Systems*, **2019**, 84, 283-298	2.7	17
183	Automatic service derivation from business process model repositories via semantic technology. *Journal of Systems and Software*, **2015**, 108, 134-147	3.3	16
182	A Short Survey on Process Model Similarity **2013**, 421-427		16
181	Meronymy-Based Aggregation of Activities in Business Process Models. *Lecture Notes in Computer Science*, **2010**, 1-14	0.9	16
180	Event-Driven Process Chains (EPC). *Lecture Notes in Business Information Processing*, **2008**, 17-57	0.6	16
179	Process Compliance Measurement Based on Behavioural Profiles. *Lecture Notes in Computer Science*, **2010**, 499-514	0.9	16
178	On the Syntax of Reference Model Configuration Transforming the C-EPC into Lawful EPC Models. *Lecture Notes in Computer Science*, **2006**, 497-511	0.9	16
177	Process-Aware Information Systems **2018**, 341-369		15
176	Identifying dos and donts using the integrated business process management framework. *Business Process Management Journal*, **2018**, 24, 882-899	3.6	15
175	Modeling Styles in Business Process Modeling. *Lecture Notes in Business Information Processing*, **2012**, 151-166	0.6	15
174	Business Process Quality Management **2010**, 167-185		15
173	Prediction of Business Process Model Quality Based on Structural Metrics. *Lecture Notes in Computer Science*, **2010**, 458-463	0.9	15
172	Comprehensive Process Drift Detection with Visual Analytics. *Lecture Notes in Computer Science*, **2019**, 119-135	0.9	15
171	Predicting the Quality of Process Model Matching. *Lecture Notes in Computer Science*, **2013**, 203-210	0.9	15
170	Seven Paradoxes of Business Process Management in a Hyper-Connected World. *Business and Information Systems Engineering*, **2021**, 63, 145-156	3.8	15
169	Matching of events and activities **2015**,		14
168	Matching events and activities by integrating behavioral aspects and label analysis. *Software and Systems Modeling*, **2018**, 17, 573-598	1.9	14
167	An Exploratory Study of IT-Enabled Collaborative Process Modeling. *Lecture Notes in Business Information Processing*, **2011**, 61-72	0.6	14

166	Adoption, use and management of process mining in practice. *Business Process Management Journal*, **2020**, 27, 369-387	3.6	14
165	Mining team compositions for collaborative work in business processes. *Software and Systems Modeling*, **2018**, 17, 675-693	1.9	13
164	Frameworks for Business Process Management: A Taxonomy for Business Process Management Cases. *Management for Professionals*, **2018**, 1-17	0.4	13
163	A Comprehensive EA Benefit Realization Model--An Exploratory Study **2012**,		13
162	Getting rid of OR-joins and multiple start events in business process models. *Enterprise Information Systems*, **2008**, 2, 403-419	3.5	13
161	A Configurable Resource Allocation for Multi-tenant Process Development in the Cloud. *Lecture Notes in Computer Science*, **2016**, 558-574	0.9	13
160	An Empirical Review of the Connection Between Model Viewer Characteristics and the Comprehension of Conceptual Process Models. *Information Systems Frontiers*, **2019**, 21, 1111-1135	4	13
159	Propositions on the interaction of organizational culture with other factors in the context of BPM adoption. *Business Process Management Journal*, **2018**, 24, 425-445	3.6	12
158	A Foundational Approach for Managing Process Variability. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, **2011**, 267-282	0.3	12
157	Specifying Separation of Duty Constraints in BPEL4People Processes. *Lecture Notes in Business Information Processing*, **2008**, 273-284	0.6	12
156	Towards a Framework for Business Process Standardization. *Lecture Notes in Business Information Processing*, **2010**, 53-63	0.6	12
155	Log-Based Understanding of Business Processes through Temporal Logic Query Checking. *Lecture Notes in Computer Science*, **2014**, 75-92	0.9	12
154	Views on the Past, Present, and Future of Business and Information Systems Engineering. *Business and Information Systems Engineering*, **2018**, 60, 443-477	3.8	12
153	Matching of Events and Activities - An Approach Using Declarative Modeling Constraints. *Lecture Notes in Business Information Processing*, **2015**, 119-134	0.6	11
152	Business Process Quality Management **2015**, 167-185		11
151	Matching of Events and Activities - An Approach Based on Constraint Satisfaction. *Lecture Notes in Business Information Processing*, **2014**, 58-72	0.6	11
150	Methodological support for business process redesign in health care: a literature review protocol. *International Journal of Care Pathways*, **2011**, 15, 119-126		11
149	Process Mining of RFID-Based Supply Chains **2009**,		11

148	Listen to Me: Improving Process Model Matching through User Feedback. *Lecture Notes in Computer Science*, **2014**, 84-100	0.9	11
147	Searching textual and model-based process descriptions based on a unified data format. *Software and Systems Modeling*, **2019**, 18, 1179-1194	1.9	11
146	Model-Driven Enterprise Systems Configuration. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, **2006**, 369-383	0.3	11
145	Ensuring Model Consistency in Declarative Process Discovery. *Lecture Notes in Computer Science*, **2015**, 144-159	0.9	10
144	Automated team selection and compliance checking in business processes **2015**,		10
143	An Artifact-Driven Approach to Monitor Business Processes Through Real-World Objects. *Lecture Notes in Computer Science*, **2017**, 297-313	0.9	10
142	Towards the Enhancement of Business Process Monitoring for Complex Logistics Chains. *Lecture Notes in Business Information Processing*, **2014**, 305-317	0.6	10
141	Detecting and Resolving Conflicts of Mutual-Exclusion and Binding Constraints in a Business Process Context. *Lecture Notes in Computer Science*, **2011**, 329-346	0.9	10
140	The roles of social identity and dynamic salient group formations for ERP program management success in a postmerger context. *Information Systems Journal*, **2019**, 29, 609-640	5.9	10
139	Business Process Variability and Public Values. *Lecture Notes in Business Information Processing*, **2018**, 401-411	0.6	10
138	On the relevance of a business constraint to an event log. *Information Systems*, **2018**, 78, 144-161	2.7	9
137	Navigating Through the Maze of Business Process Change Methods **2019**,		9
136	Towards the Automated Annotation of Process Models. *Lecture Notes in Computer Science*, **2015**, 401-416	0.9	9
135	Instantiation Semantics for Process Models. *Lecture Notes in Computer Science*, **2008**, 164-179	0.9	9
134	Generic Algorithms for Consistency Checking of Mutual-Exclusion and Binding Constraints in a Business Process Context. *Lecture Notes in Computer Science*, **2010**, 204-221	0.9	9
133	Towards a Methodology for the Engineering of Event-Driven Process Applications. *Lecture Notes in Business Information Processing*, **2016**, 501-514	0.6	9
132	Visual Drift Detection for Sequence Data Analysis of Business Processes. *IEEE Transactions on Visualization and Computer Graphics*, **2021**, PP,	4	9
131	Mining processes with multi-instantiation **2015**,		8

130	An Explorative Analysis of the Notational Characteristics of the Decision Model and Notation (DMN) **2016**,		8
129	Discovering Target-Branched Declare Constraints. *Lecture Notes in Computer Science*, **2014**, 34-50	0.9	8
128	A Probabilistic Approach to Event-Case Correlation for Process Mining. *Lecture Notes in Computer Science*, **2019**, 136-152	0.9	8
127	Mining Project-Oriented Business Processes. *Lecture Notes in Computer Science*, **2015**, 425-440	0.9	8
126	Towards a Data-Driven Framework for Measuring Process Performance. *Lecture Notes in Business Information Processing*, **2017**, 3-18	0.6	8
125	Case Construction for Mining Supply Chain Processes. *Lecture Notes in Business Information Processing*, **2009**, 181-192	0.6	8
124	Object-Sensitive Action Patterns in Process Model Repositories. *Lecture Notes in Business Information Processing*, **2011**, 251-263	0.6	8
123	Spotting Terminology Deficiencies in Process Model Repositories. *Lecture Notes in Business Information Processing*, **2013**, 292-307	0.6	8
122	Net-Based Analysis of Event Processing Networks The Fast Flower Delivery Case. *Lecture Notes in Computer Science*, **2013**, 270-290	0.9	8
121	A systematic literature review of process modeling guidelines and their empirical support. *Business Process Management Journal*, **2021**, 27, 1-23	3.6	8
120	Misplaced product detection using sensor data without planograms. *Decision Support Systems*, **2018** , 112, 76-87	5.6	8
119	CEPchain: A graphical model-driven solution for integrating complex event processing and blockchain. *Expert Systems With Applications*, **2021**, 184, 115578	7.8	8
118	. *IEEE Transactions on Services Computing*, **2019**, 1-1	4.8	7
117	An experiment on an ontology-based support approach for process modeling. *Information and Software Technology*, **2017**, 83, 94-115	3.4	7
116	Towards Process-Aware Cross-Organizational Human Resource Management. *Lecture Notes in Business Information Processing*, **2014**, 79-93	0.6	7
115	Mining Event Logs to Assist the Development of Executable Process Variants. *Lecture Notes in Computer Science*, **2014**, 548-563	0.9	7
114	When Language Meets Language: Anti Patterns Resulting from Mixing Natural and Modeling Language. *Lecture Notes in Business Information Processing*, **2015**, 118-129	0.6	7
113	Integrating Textual and Model-Based Process Descriptions for Comprehensive Process Search. *Lecture Notes in Business Information Processing*, **2016**, 51-65	0.6	7

112	Automatic Derivation of Service Candidates from Business Process Model Repositories. *Lecture Notes in Business Information Processing*, **2012**, 84-95	0.6	7
111	Setup and Maintenance Factors of ACM Systems. *Lecture Notes in Computer Science*, **2013**, 172-177	0.9	7
110	Ensuring the canonicity of process models. *Data and Knowledge Engineering*, **2017**, 111, 22-38	1.5	6
109	Impact of the conceptual model's representation format on identifying and understanding user stories. *Information and Software Technology*, **2019**, 116, 106169	3.4	6
108	**2008**,		6
107	Interestingness of Traces in Declarative Process Mining: The Janus LTLp(_f) Approach. *Lecture Notes in Computer Science*, **2018**, 121-138	0.9	6
106	Conformance Checking of RBAC Policies in Process-Aware Information Systems. *Lecture Notes in Business Information Processing*, **2012**, 435-446	0.6	6
105	Enabling Reuse of Process Models through the Detection of Similar Process Parts. *Lecture Notes in Business Information Processing*, **2013**, 586-597	0.6	6
104	Bridging Abstraction Layers in Process Mining: Event to Activity Mapping. *Lecture Notes in Business Information Processing*, **2013**, 109-123	0.6	6
103	The Effect of Noise on Mined Declarative Constraints. *Lecture Notes in Business Information Processing*, **2015**, 1-24	0.6	6
102	XML-based Reference Modelling: Foundations of an EPC Markup Language **2004**, 51-71		6
101	Call for Papers, Issue 5/2021. *Business and Information Systems Engineering*, **2020**, 62, 185-187	3.8	5
100	Repeated use of process models: The impact of artifact, technological, and individual factors. *Decision Support Systems*, **2016**, 88, 98-111	5.6	5
99	Monitoring the Software Development Process with Process Mining. *Lecture Notes in Business Information Processing*, **2018**, 432-442	0.6	5
98	How Much Flexibility is Good for Knowledge Intensive Business Processes: A Study of the Effects of Informal Work Practices **2015**,		5
97	Challenges for Business Process Intelligence: Discussions at the BPI Workshop 2007. *Lecture Notes in Computer Science*, **2008**, 5-10	0.9	5
96	An Explorative Study for Process Map Design. *Lecture Notes in Business Information Processing*, **2015**, 36-51	0.6	5
95	Semantical Vacuity Detection in Declarative Process Mining. *Lecture Notes in Computer Science*, **2016**, 158-175	0.9	5

94	Towards a Methodology for Semantic Business Process Modeling and Configuration. *Lecture Notes in Computer Science*, **2009**, 176-187	0.9	5
93	Managing Process Model Collections with AProMoRe. *Lecture Notes in Computer Science*, **2010**, 699-701	0.9	5
92	Business Process Design from Virtual Organization Intentional Models. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, **2012**, 549-564	0.3	5
91	Semi-automatic derivation of RESTful choreographies from business process choreographies. *Software and Systems Modeling*, **2019**, 18, 1195-1208	1.9	5
90	Case and Activity Identification for Mining Process Models from Middleware. *Lecture Notes in Business Information Processing*, **2018**, 86-102	0.6	5
89	Towards Blockchain Support for Business Processes. *Lecture Notes in Business Information Processing*, **2018**, 243-248	0.6	5
88	ViePEP-C: A Container-based Elastic Process Platform. *IEEE Transactions on Cloud Computing*, **2019**, 1-1	3.3	4
87	Business process management. *Information Systems*, **2012**, 37, 517	2.7	4
86	Process Intelligence **2013**, 353-383		4
85	Towards a Pattern Recognition Approach for Transferring Knowledge in ACM **2014**,		4
84	On the Automatic Labeling of Process Models. *Lecture Notes in Computer Science*, **2011**, 512-520	0.9	4
83	Automatic Extraction of Process Categories from Process Model Collections. *Lecture Notes in Business Information Processing*, **2014**, 430-441	0.6	4
82	Domain-Driven Process Adaptation in Emergency Scenarios. *Lecture Notes in Business Information Processing*, **2009**, 290-297	0.6	4
81	Optimising Complex Event Queries over Business Processes Using Behavioural Profiles. *Lecture Notes in Business Information Processing*, **2011**, 743-754	0.6	4
80	Managing Structural and Textual Quality of Business Process Models. *Lecture Notes in Business Information Processing*, **2013**, 100-111	0.6	4
79	The Five Diamond Method for Explorative Business Process Management. *Business and Information Systems Engineering*,1	3.8	4
78	Optimized Container-Based Process Execution in the Cloud. *Lecture Notes in Computer Science*, **2018**, 3-21	0.9	4
77	The connection between process complexity of event sequences and models discovered by process mining. *Information Sciences*, **2022**, 598, 196-215	7.7	4

76	Standards for Workflow Definition and Execution **2005**, 279-316		3
75	Business Process Management and Routine Dynamics **2021**, 513-524		3
74	A Temporal Logic-Based Measurement Framework for Process Mining **2020**,		3
73	Towards Guiding Process Modelers Depending upon Their Expertise Levels. *Lecture Notes in Business Information Processing*, **2015**, 69-80	0.6	3
72	Narrowing the Business-IT Gap in Process Performance Measurement. *Lecture Notes in Computer Science*, **2016**, 543-557	0.9	3
71	Aligning Process Model Terminology with Hypernym Relations. *Lecture Notes in Business Information Processing*, **2017**, 105-123	0.6	3
70	AB-BPM: Performance-Driven Instance Routing for Business Process Improvement. *Lecture Notes in Computer Science*, **2017**, 113-129	0.9	3
69	Mining Expressive and Executable Resource-Aware Imperative Process Models. *Lecture Notes in Business Information Processing*, **2018**, 3-18	0.6	3
68	On the Suitability of Aggregated and Configurable Business Process Models. *Lecture Notes in Business Information Processing*, **2010**, 108-119	0.6	3
67	XML-basierte Geschft sprozessmodellierung **2003**, 161-180		3
66	An Approach to Support Process Model Validation based on Text Generation **2013**, 33, 7-20		3
65	Enabling Semantic Complex Event Processing in the Domain of Logistics. *Lecture Notes in Computer Science*, **2014**, 419-431	0.9	3
64	The RALph miner for automated discovery and verification of resource-aware process models. *Software and Systems Modeling*, **2020**, 19, 1415-1441	1.9	3
63	The Business Process Design Space for exploring process redesign alternatives. *Business Process Management Journal*, **2021**, ahead-of-print,	3.6	3
62	Interactive and Minimal Repair of Declarative Process Models. *Lecture Notes in Business Information Processing*, **2021**, 3-19	0.6	3
61	Conformance checking of mixed-paradigm process models. *Information Systems*, **2021**, 102, 101685	2.7	3
60	Cognitive Effectiveness of Representations for Process Mining. *Lecture Notes in Computer Science*, **2021**, 17-22	0.9	3
59	Cognitive Diagram Understanding and Task Performance in Systems Analysis and Design. *MIS Quarterly: Management Information Systems*, **2021**, 45, 2101-2158	5.3	3

58	Process Discovery **2013**, 155-184		2
57	Business process modeling **2014**,		2
56	A Theoretical Model for Business Process Standardization. *Lecture Notes in Business Information Processing*, **2020**, 281-296	0.6	2
55	Business Process Management. *Lecture Notes in Business Information Processing*, **2008**, 1-15	0.6	2
54	An Experiment to Analyze the Use of Process Modeling Guidelines to Create High-Quality Process Models. *Lecture Notes in Computer Science*, **2019**, 129-139	0.9	2
53	The Influence of Business Process Representation on Performance of Different Task Types. *Journal of Information Systems*, **2020**, 34, 167-194	1.9	2
52	The Impact of Associative Coloring and Representational Formats on Decision-Making: An Eye-Tracking Study. *Lecture Notes in Information Systems and Organisation*, **2020**, 305-313	0.5	2
51	Context-Sensitive Textual Recommendations for Incomplete Process Model Elements. *Lecture Notes in Computer Science*, **2015**, 189-197	0.9	2
50	Uncovering the Hidden Co-evolution in the Work History of Software Projects. *Lecture Notes in Computer Science*, **2017**, 164-180	0.9	2
49	An Organizational Routines Perspective on Process Requirements. *Lecture Notes in Business Information Processing*, **2018**, 617-622	0.6	2
48	Three Challenges for Process Model Reuse. *Lecture Notes in Business Information Processing*, **2012**, 285-288	0.6	2
47	Checking Satisfiability Aspects of Binding Constraints in a Business Process Context. *Lecture Notes in Business Information Processing*, **2012**, 465-470	0.6	2
46	Automatic Business Process Model Translation with BPMT. *Lecture Notes in Computer Science*, **2013**, 217-228	0.9	2
45	Analysis of Business Process Batching Using Causal Event Models. *Lecture Notes in Business Information Processing*, **2021**, 17-29	0.6	2
44	Interactive log-delta analysis using multi-range filtering. *Software and Systems Modeling*,1	1.9	2
43	Structuring Business Process Management **2019**, 203-211		1
42	Process Discovery **2018**, 159-212		1
41	Lost in Business Process Model Translations. *Advances in Database Research Series*,227-259		1

40	Who Is Behind the Model? Classifying Modelers Based on Pragmatic Model Features. *Lecture Notes in Computer Science*, **2018**, 322-338	0.9	1
39	Anti-patterns for Process Modeling Problems: An Analysis of BPMN 2.0-Based Tools Behavior. *Lecture Notes in Business Information Processing*, **2019**, 745-757	0.6	1
38	Measuring the interestingness of temporal logic behavioral specifications in process mining. *Information Systems*, **2021**, 101920	2.7	1
37	Towards Measuring Process Model Granularity via Natural Language Analysis. *Lecture Notes in Business Information Processing*, **2014**, 417-429	0.6	1
36	Semi-automatic Derivation of RESTful Interactions from Choreography Diagrams. *Lecture Notes in Business Information Processing*, **2016**, 141-156	0.6	1
35	Task-specific visual cues for improving process model understanding **2016**, 79, 63-63		1
34	Creating and Updating Personalized and Verbalized Business Process Descriptions. *Lecture Notes in Business Information Processing*, **2013**, 191-205	0.6	1
33	Einführung in das Geschäftsprozessmanagement **2021**, 1-38		1
32	The Orchestration of Corporate Performance Management and Business Process Management and Its Effect on Perceived Organizational Performance. *SAGE Open*, **2021**, 11, 215824402110401	1.5	1
31	A study into the contingencies of process improvement methods. *Information Systems*, **2022**, 104, 101880	2.7	1
30	Multi-perspective Process Analysis: Mining the Association Between Control Flow and Data Objects. *Lecture Notes in Computer Science*, **2022**, 72-89	0.9	0
29	Essential Process Modeling **2018**, 75-115		
28	Advanced Process Modeling **2013**, 97-153		
27	Experimental evidence on the cognitive effectiveness of diagrams. *Procedia Computer Science*, **2022**, 197, 10-15	1.6	
26	Visualizing Business Process Evolution. *Lecture Notes in Business Information Processing*, **2020**, 185-192	0.6	
25	The Influence of Negative Emotion as Affective State on Conceptual Models Comprehension. *Lecture Notes in Information Systems and Organisation*, **2020**, 145-152	0.5	
24	Process Model Forecasting Using Time Series Analysis of Event Sequence Data. *Lecture Notes in Computer Science*, **2021**, 47-61	0.9	
23	Business Process Event Logs and Visualization **2018**, 1-12		

22	The Use of Distance Metrics in Managing Business Process Transfer - An Exploratory Case Study. *Lecture Notes in Business Information Processing*, **2019**, 301-312	0.6
21	Software Resource Recommendation for Process Execution Based on the Organization's Profile. *Lecture Notes in Computer Science*, **2019**, 118-128	0.9
20	A Code-Efficient Process Scripting Language. *Lecture Notes in Computer Science*, **2020**, 174-188	0.9
19	Leveraging Innovation Based on Effective Process Map Design: Insights from the Case of a European Insurance Company. *Management for Professionals*, **2015**, 215-227	0.4
18	Foundations of Business Process Modeling **2009**, 189-222	
17	A Research Program for Studying the Impact of Process Representation on Risk Analysis. *Lecture Notes in Computer Science*, **2013**, 241-252	0.9
16	Linguistic Consistency of Goal Models. *Lecture Notes in Business Information Processing*, **2014**, 393-407	0.6
15	Space-Time Cube Operations in Process Mining. *Lecture Notes in Business Information Processing*, **2020**, 405-414	0.6
14	Call for Papers, Issue 1/2023. *Business and Information Systems Engineering*, **2021**, 63, 215-217	3.8
13	Prozessorientierte Informationssysteme **2021**, 399-432	
12	Fortgeschrittene Prozessmodellierung **2021**, 135-181	
11	BPM als Unternehmensfähigkeit **2021**, 553-585	
10	Quantitative Prozessanalyse **2021**, 299-346	
9	Planning and Scoping Business Process Management with the BPM Billboard **2021**, 3-16	
8	Prozesserhebung **2021**, 183-247	
7	Prozessimplementierung mit ausführbaren Modellen **2021**, 433-480	
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5	Prozessüberwachung **2021**, 481-551	

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