Jochen De Weerdt

List of Publications by Year
in descending order

71 papers	**1,485** citations	430874 **18** h-index	377865 **34** g-index
77 all docs	**77** docs citations	**77** times ranked	**780** citing authors

#	Article	IF	Citations
1	A multi-dimensional quality assessment of state-of-the-art process discovery algorithms using real-life event logs. Information Systems, 2012, 37, 654-676.	3.6	169
2	Active Trace Clustering for Improved Process Discovery. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 2708-2720.	5.7	128
3	Process Mining for the multi-faceted analysis of business processesâ€"A case study in a financial services organization. Computers in Industry, 2013, 64, 57-67.	9.9	102
4	Fodina: A robust and flexible heuristic process discovery technique. Decision Support Systems, 2017, 100, 109-118.	5.9	84
5	A robust F-measure for evaluating discovered process models. , 2011, , .		64
6	A review of automated feedback systems for learners: Classification framework, challenges and opportunities. Computers and Education, 2021, 162, 104094.	8.3	63
7	Determining Process Model Precision and Generalization with Weighted Artificial Negative Events. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1877-1889.	5.7	60
8	Process discovery in event logs: An application in the telecom industry. Applied Soft Computing Journal, 2011, 11, 1697-1710.	7.2	55
9	Monitoring care processes in the gynecologic oncology department. Computers in Biology and Medicine, 2014, 44, 88-96.	7.0	44
10	Process-mining enabled feedback: â€œTell me what I did wrongâ€•vs. â€œtell me how to do it rightâ€• Computers in Human Behavior, 2016, 57, 352-376.	8.5	44
11	act2vec, trace2vec, log2vec, andÂmodel2vec: Representation Learning for Business Processes. Lecture Notes in Computer Science, 2018, , 305-321.	1.3	37
12	Process mining analysis of conceptual modeling behavior of novices â€“ empirical study using JMermaid modeling and experimental logging environment. Computers in Human Behavior, 2014, 41, 486-503.	8.5	33
13	Recommendations for enhancing the usability and understandability of process mining in healthcare. Artificial Intelligence in Medicine, 2020, 109, 101962.	6.5	32
14	On the operational efficiency of different feature types for telco Churn prediction. European Journal of Operational Research, 2018, 267, 1141-1155.	5.7	29
15	Fusion Miner: Process discovery for mixed-paradigm models. Decision Support Systems, 2015, 77, 123-136.	5.9	28
16	Mixed-Paradigm Process Modeling with Intertwined State Spaces. Business and Information Systems Engineering, 2016, 58, 19-29.	6.1	27
17	A comprehensive benchmarking framework (CoBeFra) for conformance analysis between procedural process models and event logs in ProM. , 2013, , .		26
18	Leveraging process discovery with trace clustering and text mining for intelligent analysis of incident management processes. , 2012, , .		25

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19	Combining Temporal Aspects of Dynamic Networks with Node2Vec for a more Efficient Dynamic Link Prediction. , 2018, , .		25
20	Controlled automated discovery of collections of business process models. Information Systems, 2014, 46, 85-101.	3.6	24
21	Change visualisation: Analysing the resource and timing differences between two event logs. Information Systems, 2017, 65, 106-123.	3.6	19
22	Discovering hidden dependencies in constraint-based declarative process models for improving understandability. Information Systems, 2018, 74, 40-52.	3.6	19
23	Mining Behavioral Sequence Constraints for Classification. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1130-1142.	5.7	19
24	Improving Understandability of Declarative Process Models by Revealing Hidden Dependencies. Lecture Notes in Computer Science, 2016, , 83-98.	1.3	16
25	Predicting student success in a blended learning environment. , 2020, , .		16
26	Explaining clusterings of process instances. Data Mining and Knowledge Discovery, 2017, 31, 774-808.	3.7	15
27	Inductive Graph Representation Learning for fraud detection. Expert Systems With Applications, 2022, 193, 116463.	7.6	15
28	Extending business failure prediction models with textual website content using deep learning. European Journal of Operational Research, 2023, 306, 348-357.	5.7	15
29	Dropout Prediction in MOOCs: A Comparison Between Process and Sequence Mining. Lecture Notes in Business Information Processing, 2018, , 243-255.	1.0	14
30	Getting a Grasp on Clinical Pathway Data: An Approach Based on Process Mining. Lecture Notes in Computer Science, 2013, , 22-35.	1.3	12
31	Automating immediate and personalized feedback taking conceptual modelling education to a next level. , 2016, , .		12
32	Special issue on business process intelligence. Computing (Vienna/New York), 2021, 103, 1-2.	4.8	12
33	A Critical Evaluation Study of Model-Log Metrics in Process Discovery. Lecture Notes in Business Information Processing, 2011, , 158-169.	1.0	12
34	Learning uncertainty with artificial neural networks for predictive process monitoring. Applied Soft Computing Journal, 2022, 125, 109134.	7.2	11
35	An Improved Process Event Log Artificial Negative Event Generator. SSRN Electronic Journal, 0, , .	0.4	10
36	tcc2vec: RFM-informed representation learning on call graphs for churn prediction. Information Sciences, 2021, 557, 270-285.	6.9	10

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37	An Approach for Incorporating Expert Knowledge in Trace Clustering. Lecture Notes in Computer Science, 2017, , 561-576.	1.3	10
38	A Bridging Model for Process Mining and IoT. Lecture Notes in Business Information Processing, 2022, , 98-110.	1.0	10
39	Improved Artificial Negative Event Generation to Enhance Process Event Logs. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2012, , 254-269.	0.3	8
40	Perturbing event logs to identify cost reduction opportunities: A genetic algorithm-based approach. , 2014, , .		7
41	Gamification of Declarative Process Models for Learning and Model Verification. Lecture Notes in Business Information Processing, 2016, , 432-443.	1.0	7
42	Churn modeling with probabilistic meta paths-based representation learning. Information Processing and Management, 2020, 57, 102052.	8.6	7
43	Scalable Mixed-Paradigm Trace Clustering using Super-Instances. , 2019, , .		6
44	Expert-driven trace clustering with instance-level constraints. Knowledge and Information Systems, 2021, 63, 1197-1220.	3.2	6
45	Representation Learning in Graphs for Credit Card Fraud Detection. Lecture Notes in Computer Science, 2020, , 32-46.	1.3	6
46	Multi-paradigm Process Mining: Retrieving Better Models by Combining Rules and Sequences. Lecture Notes in Computer Science, 2014, , 446-453.	1.3	6
47	Predictive Process Monitoring in Operational Logistics: A Case Study in Aviation. Lecture Notes in Business Information Processing, 2019, , 250-262.	1.0	6
48	A Full R/I-Net Construct Lexicon for Declare Constraints. SSRN Electronic Journal, 2015, , .	0.4	5
49	Revising history for cost-informed process improvement. Computing (Vienna/New York), 2016, 98, 895-921.	4.8	5
50	Understanding Automated Feedback in Learning Processes by Mining Local Patterns. Lecture Notes in Business Information Processing, 2019, , 56-68.	1.0	5
51	SECPI: Searching for Explanations for Clustered Process Instances. Lecture Notes in Computer Science, 2014, , 408-415.	1.3	5
52	Similarity-Based Approaches for Determining the Number of Trace Clusters in Process Discovery. Lecture Notes in Computer Science, 2017, , 19-42.	1.3	5
53	Scalable RFM-enriched Representation Learning for Churn Prediction. , 2017, , .		4
54	Behavioral Constraint Template-Based Sequence Classification. Lecture Notes in Computer Science, 2017, , 20-36.	1.3	4

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55	A Stability Assessment Framework for Process Discovery Techniques. Lecture Notes in Computer Science, 2016, , 57-72.	1.3	3
56	Multi-objective Trace Clustering: Finding More Balanced Solutions. Lecture Notes in Business Information Processing, 2017, , 49-60.	1.0	3
57	Churn Prediction Using Dynamic RFM-Augmented Node2vec. Lecture Notes in Computer Science, 2017, , 122-138.	1.3	3
58	Trace Clustering. , 2019, , 1706-1711.		3
59	Multi-Paradigm Process Mining: Retrieving Better Models by Combining Rules and Sequences. SSRN Electronic Journal, 2014, , .	0.4	2
60	Learning Uncertainty with Artificial Neural Networks for Improved Remaining Time Prediction of Business Processes. Lecture Notes in Computer Science, 2021, , 141-157.	1.3	2
61	Conformance Checking Using Activity and Trace Embeddings. Lecture Notes in Business Information Processing, 2020, , 105-121.	1.0	2
62	Process Model Forecasting Using Time Series Analysis of Event Sequence Data. Lecture Notes in Computer Science, 2021, , 47-61.	1.3	2
63	A comparison of methods for link sign prediction with signed network embeddings. , 2019, , .		1
64	Neural Machine Translation for Conditional Generation of Novel Procedures. , 0, , .		1
65	Leveraging Process Discovery with Trace Clustering and Text Mining for Intelligent Analysis of Incident Management Processes. SSRN Electronic Journal, 0, , .	0.4	1
66	Trace Clustering. , 2018, , 1-6.		1
67	Mining Behavioural Patterns in Urban Mobility Sequences Using Foursquare Check-in Data from Tokyo. Studies in Computational Intelligence, 2020, , 931-943.	0.9	1
68	Discovering the Impact of Students' Modeling Behavior on their Final Performance. Lecture Notes in Business Information Processing, 2018, , 335-350.	1.0	0
69	Supervised Conformance Checking Using Recurrent Neural Network Classifiers. Lecture Notes in Business Information Processing, 2021, , 175-187.	1.0	0
70	A Comparative Study of Representation Learning Techniques for Dynamic Networks. Advances in Intelligent Systems and Computing, 2020, , 523-530.	0.6	0
71	A Comparative Study of Community Detection Techniques for Large Evolving Graphs. Communications in Computer and Information Science, 2020, , 368-384.	0.5	0