

Luigi Pontieri

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69
papers

1,208
citations

14
h-index

33
g-index

80
ext. papers

1,400
ext. citations

2
avg, IF

4.2
L-index

#	Paper	IF	Citations
69	Process Mining meets argumentation: Explainable interpretations of low-level event logs via abstract argumentation. <i>Information Systems</i> , 2022 , 107, 101987	2.7	3
68	AI-Empowered Process Mining for Complex Application Scenarios: Survey and Discussion. <i>Journal on Data Semantics</i> , 2021 , 10, 77-106	1.4	1
67	On learning effective ensembles of deep neural networks for intrusion detection. <i>Information Fusion</i> , 2021 , 72, 48-69	16.7	12
66	A Multi-view Ensemble of Deep Models for the Detection of Deviant Process Instances. <i>Communications in Computer and Information Science</i> , 2020 , 249-262	0.3	2
65	A Cybersecurity Framework for Classifying Non Stationary Data Streams Exploiting Genetic Programming and Ensemble Learning. <i>Lecture Notes in Computer Science</i> , 2020 , 269-277	0.9	1
64	A GP-based ensemble classification framework for time-changing streams of intrusion detection data. <i>Soft Computing</i> , 2020 , 24, 17541-17560	3.5	6
63	An ensemble-based approach to the security-oriented classification of low-level log traces. <i>Expert Systems With Applications</i> , 2020 , 153, 113386	7.8	5
62	Pushing More AI Capabilities into Process Mining to Better Deal with Low-Quality Logs. <i>Lecture Notes in Business Information Processing</i> , 2019 , 5-11	0.6	
61	Learning Effective Neural Nets for Outcome Prediction from Partially Labelled Log Data 2019 ,		4
60	Predictive monitoring of temporally-aggregated performance indicators of business processes against low-level streaming events. <i>Information Systems</i> , 2019 , 81, 236-266	2.7	9
59	Online and offline classification of traces of event logs on the basis of security risks. <i>Journal of Intelligent Information Systems</i> , 2018 , 50, 195-230	2.1	10
58	20+ Years of Analytics on Complex Data: Impact, Issues, Challenges and Contributions. <i>Studies in Big Data</i> , 2018 , 353-374	0.9	1
57	A Predictive Learning Framework for Monitoring Aggregated Performance Indicators over Business Process Events 2018 ,		2
56	Process Discovery from Low-Level Event Logs. <i>Lecture Notes in Computer Science</i> , 2018 , 257-273	0.9	6
55	Combining Model- and Example-Driven Classification to Detect Security Breaches in Activity-Unaware Logs. <i>Lecture Notes in Computer Science</i> , 2018 , 173-190	0.9	1
54	Experimenting and Assessing a Probabilistic Business Process Deviance Mining Framework Based on Ensemble Learning. <i>Lecture Notes in Business Information Processing</i> , 2018 , 96-124	0.6	2
53	Efficiently interpreting traces of low level events in business process logs. <i>Information Systems</i> , 2018 , 73, 1-24	2.7	19

52	Deviance-Aware Discovery of High-Quality Process Models. <i>International Journal on Artificial Intelligence Tools</i> , 2018 , 27, 1860009	0.9	1
51	2017 ,		2
50	A descriptive clustering approach to the analysis of quantitative business-process deviances 2017 ,		2
49	2016 ,		9
48	A Robust and Versatile Multi-View Learning Framework for the Detection of Deviant Business Process Instances. <i>International Journal of Cooperative Information Systems</i> , 2016 , 25, 1740003	0.6	12
47	A Cloud-Based Prediction Framework for Analyzing Business Process Performances. <i>Lecture Notes in Computer Science</i> , 2016 , 63-80	0.9	8
46	Classifying Traces of Event Logs on the Basis of Security Risks. <i>Lecture Notes in Computer Science</i> , 2016 , 108-124	0.9	2
45	Process Discovery under Precedence Constraints. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2015 , 9, 1-39	4	19
44	A compression-based framework for the efficient analysis of business process logs 2015 ,		2
43	A Prediction Framework for Proactively Monitoring Aggregate Process-Performance Indicators 2015 ,		5
42	Mining Multi-variant Process Models from Low-Level Logs. <i>Lecture Notes in Business Information Processing</i> , 2015 , 165-177	0.6	10
41	An Approach to the Discovery of Accurate and Expressive Fix-Time Prediction Models. <i>Lecture Notes in Business Information Processing</i> , 2015 , 108-128	0.6	1
40	A Framework Supporting the Analysis of Process Logs Stored in Either Relational or NoSQL DBMSs. <i>Lecture Notes in Computer Science</i> , 2015 , 52-58	0.9	2
39	A Probabilistic Unified Framework for Event Abstraction and Process Detection from Log Data. <i>Lecture Notes in Computer Science</i> , 2015 , 320-328	0.9	4
38	A Multi-view Learning Approach to the Discovery of Deviant Process Instances. <i>Lecture Notes in Computer Science</i> , 2015 , 146-165	0.9	7
37	Mining Predictive Process Models out of Low-level Multidimensional Logs. <i>Lecture Notes in Computer Science</i> , 2014 , 533-547	0.9	25
36	A Data-Driven Prediction Framework for Analyzing and Monitoring Business Process Performances. <i>Lecture Notes in Business Information Processing</i> , 2014 , 100-117	0.6	5
35	Methods and techniques for discovering taxonomies of behavioral process models. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2013 , 3, 170-189	6.9	

34	Context-Aware Predictions on Business Processes: An Ensemble-Based Solution. <i>Lecture Notes in Computer Science</i> , 2013 , 215-229	0.9	4
33	Discovering High-Level Performance Models for Ticket Resolution Processes. <i>Lecture Notes in Computer Science</i> , 2013 , 275-282	0.9	13
32	Discovering Context-Aware Models for Predicting Business Process Performances. <i>Lecture Notes in Computer Science</i> , 2012 , 287-304	0.9	60
31	Process Mining Manifesto. <i>Lecture Notes in Business Information Processing</i> , 2012 , 169-194	0.6	347
30	Mining usage scenarios in business processes: Outlier-aware discovery and run-time prediction. <i>Data and Knowledge Engineering</i> , 2011 , 70, 1005-1029	1.5	37
29	Scalable parallel co-clustering over multiple heterogeneous data types 2010 ,		3
28	Cocustering Multiple Heterogeneous Domains: Linear Combinations and Agreements. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2010 , 22, 1649-1663	4.2	15
27	Discovering expressive process models from noised log data 2009 ,		6
26	Discovering Multi-perspective Process Models: The Case of Loosely-Structured Processes. <i>Lecture Notes in Business Information Processing</i> , 2009 , 130-143	0.6	3
25	Enhancing histograms by tree-like bucket indices. <i>VLDB Journal</i> , 2008 , 17, 1041-1061	3.9	12
24	Mining taxonomies of process models. <i>Data and Knowledge Engineering</i> , 2008 , 67, 74-102	1.5	40
23	Knowledge Discovery and Classification of Cooperation Processes for Internetworked Enterprises 2008 , 327-334		
22	An Information-Theoretic Framework for Process Structure and Data Mining 2008 , 810-830		
21	Outlier Detection Techniques for Process Mining Applications 2008 , 150-159		28
20	An Information-Theoretic Framework for Process Structure and Data Mining. <i>International Journal of Data Warehousing and Mining</i> , 2007 , 3, 99-119	1	1
19	Exploiting structural similarity for effective Web information extraction. <i>Data and Knowledge Engineering</i> , 2007 , 60, 222-234	1.5	10
18	Effective Incremental Clustering for Duplicate Detection in Large Databases 2006 ,		1
17	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2006 , 18, 1010-1027	4.2	214

16	Mining Constrained Graphs: The Case of Workflow Systems. <i>Lecture Notes in Computer Science</i> , 2006 , 155-171	0.9	4
15	An Information-Theoretic Framework for High-Order Co-clustering of Heterogeneous Objects. <i>Lecture Notes in Computer Science</i> , 2006 , 598-605	0.9	3
14	Fast detection of XML structural similarity. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2005 , 17, 160-175	4.2	73
13	Mining Hierarchies of Models: From Abstract Views to Concrete Specifications. <i>Lecture Notes in Computer Science</i> , 2005 , 32-47	0.9	26
12	Mining Expressive Process Models by Clustering Workflow Traces. <i>Lecture Notes in Computer Science</i> , 2004 , 52-62	0.9	31
11	An Ontology-Driven Process Modeling Framework. <i>Lecture Notes in Computer Science</i> , 2004 , 13-23	0.9	12
10	An approach for the extensional integration of data sources with heterogeneous representation formats. <i>Data and Knowledge Engineering</i> , 2003 , 45, 291-331	1.5	5
9	A novel three-level architecture for large data warehouses. <i>Journal of Systems Architecture</i> , 2002 , 47, 937-958	5.5	5
8	Integrating and Managing Conflicting Data. <i>Lecture Notes in Computer Science</i> , 2001 , 349-362	0.9	7
7	Combining Different Data Mining Techniques to Improve Data Analysis 2001 , 455-464		
6	Intensional and extensional integration and abstraction of heterogeneous databases. <i>Data and Knowledge Engineering</i> , 2000 , 35, 201-237	1.5	20
5	A Hybrid Technique for Data Mining on Balance-Sheet Data. <i>Lecture Notes in Computer Science</i> , 2000 , 419-424	0.9	1
4	An incremental clustering scheme for duplicate detection in large databases		6
3	A prototypal environment for collaborative work within a research organization		5
2	Improving range query estimation on histograms		11
1	Semi-Supervised Discovery of DNN-Based Outcome Predictors from Scarcely-Labeled Process Logs. <i>Business and Information Systems Engineering</i> , 1	3.8	1