Luigi Pontieri

List of Publications by Citations

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 Manifesto. *Lecture Notes in Business Information Processing*, **2012**, 169-194	0.6	347
68	. *IEEE Transactions on Knowledge and Data Engineering*, **2006**, 18, 1010-1027	4.2	214
67	Fast detection of XML structural similarity. *IEEE Transactions on Knowledge and Data Engineering*, **2005**, 17, 160-175	4.2	73
66	Discovering Context-Aware Models for Predicting Business Process Performances. *Lecture Notes in Computer Science*, **2012**, 287-304	0.9	60
65	Mining taxonomies of process models. *Data and Knowledge Engineering*, **2008**, 67, 74-102	1.5	40
64	Mining usage scenarios in business processes: Outlier-aware discovery and run-time prediction. *Data and Knowledge Engineering*, **2011**, 70, 1005-1029	1.5	37
63	Mining Expressive Process Models by Clustering Workflow Traces. *Lecture Notes in Computer Science*, **2004**, 52-62	0.9	31
62	Outlier Detection Techniques for Process Mining Applications **2008**, 150-159		28
61	Mining Hierarchies of Models: From Abstract Views to Concrete Specifications. *Lecture Notes in Computer Science*, **2005**, 32-47	0.9	26
60	Mining Predictive Process Models out of Low-level Multidimensional Logs. *Lecture Notes in Computer Science*, **2014**, 533-547	0.9	25
59	Intensional and extensional integration and abstraction of heterogeneous databases. *Data and Knowledge Engineering*, **2000**, 35, 201-237	1.5	20
58	Process Discovery under Precedence Constraints. *ACM Transactions on Knowledge Discovery From Data*, **2015**, 9, 1-39	4	19
57	Efficiently interpreting traces of low level events in business process logs. *Information Systems*, **2018**, 73, 1-24	2.7	19
56	Coclustering Multiple Heterogeneous Domains: Linear Combinations and Agreements. *IEEE Transactions on Knowledge and Data Engineering*, **2010**, 22, 1649-1663	4.2	15
55	Discovering High-Level Performance Models for Ticket Resolution Processes. *Lecture Notes in Computer Science*, **2013**, 275-282	0.9	13
54	A Robust and Versatile Multi-View Learning Framework for the Detection of Deviant Business Process Instances. *International Journal of Cooperative Information Systems*, **2016**, 25, 1740003	0.6	12
53	Enhancing histograms by tree-like bucket indices. *VLDB Journal*, **2008**, 17, 1041-1061	3.9	12

52	An Ontology-Driven Process Modeling Framework. *Lecture Notes in Computer Science*, **2004**, 13-23	0.9	12
51	On learning effective ensembles of deep neural networks for intrusion detection. *Information Fusion*, **2021**, 72, 48-69	16.7	12
50	Improving range query estimation on histograms		11
49	Online and offline classification of traces of event logs on the basis of security risks. *Journal of Intelligent Information Systems*, **2018**, 50, 195-230	2.1	10
48	Exploiting structural similarity for effective Web information extraction. *Data and Knowledge Engineering*, **2007**, 60, 222-234	1.5	10
47	Mining Multi-variant Process Models from Low-Level Logs. *Lecture Notes in Business Information Processing*, **2015**, 165-177	0.6	10
46	**2016**,		9
45	Predictive monitoring of temporally-aggregated performance indicators of business processes against low-level streaming events. *Information Systems*, **2019**, 81, 236-266	2.7	9
44	A Cloud-Based Prediction Framework for Analyzing Business Process Performances. *Lecture Notes in Computer Science*, **2016**, 63-80	0.9	8
43	Integrating and Managing Conflicting Data. *Lecture Notes in Computer Science*, **2001**, 349-362	0.9	7
42	A Multi-view Learning Approach to the Discovery of Deviant Process Instances. *Lecture Notes in Computer Science*, **2015**, 146-165	0.9	7
41	Process Discovery from Low-Level Event Logs. *Lecture Notes in Computer Science*, **2018**, 257-273	0.9	6
40	Discovering expressive process models from noised log data **2009**,		6
39	An incremental clustering scheme for duplicate detection in large databases		6
38	A GP-based ensemble classification framework for time-changing streams of intrusion detection data. *Soft Computing*, **2020**, 24, 17541-17560	3.5	6
37	A Prediction Framework for Proactively Monitoring Aggregate Process-Performance Indicators **2015**,		5
36	A novel three-level architecture for large data warehouses. *Journal of Systems Architecture*, **2002**, 47, 937-958	5.5	5
35	An approach for the extensional integration of data sources with heterogeneous representation formats. *Data and Knowledge Engineering*, **2003**, 45, 291-331	1.5	5

34	A prototypal environment for collaborative work within a research organization		5
33	A Data-Driven Prediction Framework for Analyzing and Monitoring Business Process Performances. *Lecture Notes in Business Information Processing*, **2014**, 100-117	0.6	5
32	An ensemble-based approach to the security-oriented classification of low-level log traces. *Expert Systems With Applications*, **2020**, 153, 113386	7.8	5
31	A Probabilistic Unified Framework for Event Abstraction and Process Detection from Log Data. *Lecture Notes in Computer Science*, **2015**, 320-328	0.9	4
30	Context-Aware Predictions on Business Processes: An Ensemble-Based Solution. *Lecture Notes in Computer Science*, **2013**, 215-229	0.9	4
29	Learning Effective Neural Nets for Outcome Prediction from Partially Labelled Log Data **2019**,		4
28	Mining Constrained Graphs: The Case of Workflow Systems. *Lecture Notes in Computer Science*, **2006**, 155-171	0.9	4
27	Scalable parallel co-clustering over multiple heterogeneous data types **2010**,		3
26	Process Mining meets argumentation: Explainable interpretations of low-level event logs via abstract argumentation. *Information Systems*, **2022**, 107, 101987	2.7	3
25	Discovering Multi-perspective Process Models: The Case of Loosely-Structured Processes. *Lecture Notes in Business Information Processing*, **2009**, 130-143	0.6	3
24	An Information-Theoretic Framework for High-Order Co-clustering of Heterogeneous Objects. *Lecture Notes in Computer Science*, **2006**, 598-605	0.9	3
23	A compression-based framework for the efficient analysis of business process logs **2015**,		2
22	**2017**,		2
21	A Predictive Learning Framework for Monitoring Aggregated Performance Indicators over Business Process Events **2018**,		2
20	A descriptive clustering approach to the analysis of quantitative business-process deviances **2017**,		2
19	A Multi-view Ensemble of Deep Models for the Detection of Deviant Process Instances. *Communications in Computer and Information Science*, **2020**, 249-262	0.3	2
18	A Framework Supporting the Analysis of Process Logs Stored in Either Relational or NoSQL DBMSs. *Lecture Notes in Computer Science*, **2015**, 52-58	0.9	2
17	Experimenting and Assessing a Probabilistic Business Process Deviance Mining Framework Based on Ensemble Learning. *Lecture Notes in Business Information Processing*, **2018**, 96-124	0.6	2

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16	Classifying Traces of Event Logs on the Basis of Security Risks. *Lecture Notes in Computer Science*, **2016**, 108-124	0.9	2
15	20+ Years of Analytics on Complex Data: Impact, Issues, Challenges and Contributions. *Studies in Big Data*, **2018**, 353-374	0.9	1
14	An Information-Theoretic Framework for Process Structure and Data Mining. *International Journal of Data Warehousing and Mining*, **2007**, 3, 99-119	1	1
13	Effective Incremental Clustering for Duplicate Detection in Large Databases **2006**,		1
12	A Hybrid Technique for Data Mining on Balance-Sheet Data. *Lecture Notes in Computer Science*, **2000**, 419-424	0.9	1
11	Combining Model- and Example-Driven Classification to Detect Security Breaches in Activity-Unaware Logs. *Lecture Notes in Computer Science*, **2018**, 173-190	0.9	1
10	A Cybersecurity Framework for Classifying Non Stationary Data Streams Exploiting Genetic Programming and Ensemble Learning. *Lecture Notes in Computer Science*, **2020**, 269-277	0.9	1
9	An Approach to the Discovery of Accurate and Expressive Fix-Time Prediction Models. *Lecture Notes in Business Information Processing*, **2015**, 108-128	0.6	1
8	AI-Empowered Process Mining for Complex Application Scenarios: Survey and Discussion. *Journal on Data Semantics*, **2021**, 10, 77-106	1.4	1
7	Deviance-Aware Discovery of High-Quality Process Models. *International Journal on Artificial Intelligence Tools*, **2018**, 27, 1860009	0.9	1
6	Semi-Supervised Discovery of DNN-Based Outcome Predictors from Scarcely-Labeled Process Logs. *Business and Information Systems Engineering*,1	3.8	1
5	Methods and techniques for discovering taxonomies of behavioral process models. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, **2013**, 3, 170-189	6.9	
4	Combining Different Data Mining Techniques to Improve Data Analysis **2001**, 455-464		
3	Knowledge Discovery and Classification of Cooperation Processes for Internetworked Enterprises **2008**, 327-334		
2	An Information-Theoretic Framework for Process Structure and Data Mining **2008**, 810-830		
1	Pushing More AI Capabilities into Process Mining to Better Deal with Low-Quality Logs. *Lecture Notes in Business Information Processing*, **2019**, 5-11	0.6	