Giuseppe Manco

List of Publications by Year
in descending order

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80	1,538	471509	434195
papers	citations	17	31
		h-index	g-index

81	81	81	1272
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Topic-aware social influence propagation models. Knowledge and Information Systems, 2013, 37, 555-584.	3.2	157
2	How Can SMEs Benefit from Big Data? Challenges and a Path Forward. Quality and Reliability Engineering International, 2016, 32, 2151-2164.	2.3	134
3	Topic-Aware Social Influence Propagation Models. , 2012, , .		129
4	Who to follow and why. , 2014, , .		117
5	Fast detection of XML structural similarity. IEEE Transactions on Knowledge and Data Engineering, 2005, 17, 160-175.	5.7	92
6	Cascade-based community detection. , 2013, , .		74
7	Top-Down Parameter-Free Clustering of High-Dimensional Categorical Data. IEEE Transactions on Knowledge and Data Engineering, 2007, 19, 1607-1624.	5.7	59
8	Fault detection and explanation through big data analysis on sensor streams. Expert Systems With Applications, 2017, 87, 141-156.	7.6	57
9	Mining and reasoning on workflows. IEEE Transactions on Knowledge and Data Engineering, 2005, 17, 519-534.	5.7	45
10	Sequential Variational Autoencoders for Collaborative Filtering. , 2019, , .		45
11	Using an autoencoder in the design of an anomaly detector for smart manufacturing. Pattern Recognition Letters, 2020, 136, 272-278.	4.2	42
12	Web log data warehousing and mining for intelligent web caching. Data and Knowledge Engineering, 2001, 39, 165-189.	3.4	39
13	A Tree-Based Approach to Clustering XML Documents by Structure. Lecture Notes in Computer Science, 2004, , 137-148.	1.3	36
14	An incremental clustering scheme for data de-duplication. Data Mining and Knowledge Discovery, 2010, 20, 152-187.	3.7	28
15	Influence-Based Network-Oblivious Community Detection. , 2013, , .		28
16	Clustering Transactional Data. Lecture Notes in Computer Science, 2002, , 175-187.	1.3	27
17	Probabilistic topic models for sequence data. Machine Learning, 2013, 93, 5-29.	5.4	27
18	Boosting text segmentation via progressive classification. Knowledge and Information Systems, 2008, 15, 285-320.	3.2	24

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19	Outlying property detection with numerical attributes. Data Mining and Knowledge Discovery, 2017, 31, 134-163.	3.7	23
20	Hierarchical clustering of XML documents focused on structural components. Data and Knowledge Engineering, 2013, 84, 26-46.	3.4	21
21	An Analysis of Probabilistic Methods for Top-N Recommendation in Collaborative Filtering. Lecture Notes in Computer Science, 2011, , 172-187.	1.3	19
22	Exploiting structural similarity for effective Web information extraction. Data and Knowledge Engineering, 2007, 60, 222-234.	3.4	17
23	Mining unconnected patterns in workflows. Information Systems, 2007, 32, 685-712.	3.6	15
24	The DAEDALUS framework. , 2008, , .		15
25	Modeling item selection and relevance for accurate recommendations. , 2011, , .		14
26	Querying Inductive Databases via Logic-Based User-Defined Aggregates. Lecture Notes in Computer Science, 1999, , 125-135.	1.3	12
27	Specifying mining algorithms with iterative user-defined aggregates. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 1232-1246.	5.7	12
28	Probabilistic Approaches to Recommendations. Synthesis Lectures on Data Mining and Knowledge Discovery, 2014, 5, 1-197.	0.5	12
29	Mining Frequent Instances on Workflows. Lecture Notes in Computer Science, 2003, , 209-221.	1.3	12
30	A hierarchical model-based approach to co-clustering high-dimensional data. , 2008, , .		11
31	Eureka!: an interactive and visual knowledge discovery tool. Journal of Visual Languages and Computing, 2004, 15, 1-35.	1.8	10
32	Balancing Prediction and Recommendation Accuracy: Hierarchical Latent Factors for Preference Data. , 2012, , .		9
33	Efficient Methods for Influence-Based Network-Oblivious Community Detection. ACM Transactions on Intelligent Systems and Technology, 2017, 8, 1-31.	4.5	9
34	Nondeterministic, nonmonotonic logic databases. IEEE Transactions on Knowledge and Data Engineering, 2001, 13, 813-823.	5.7	8
35	High Quality True-Positive Prediction for Fiscal Fraud Detection. , 2009, , .		8
36	Dealing with trajectory streams by clustering and mathematical transforms. Journal of Intelligent Information Systems, 2014, 42, 155-177.	3.9	8

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37	An Incremental Clustering Scheme for Duplicate Detection in Large Databases. , 0, , .		7
38	Mining categories for emails via clustering and pattern discovery. Journal of Intelligent Information Systems, 2008, 30, 153-181.	3.9	7
39	Mining Constrained Graphs: The Case of Workflow Systems. Lecture Notes in Computer Science, 2006, , 155-171.	1.3	7
40	Querying and Reasoning for Spatiotemporal Data Mining. , 2008, , 335-374.		7
41	Data mining for intelligent Web caching. , 0, , .		6
42	A Probabilistic Hierarchical Approach for Pattern Discovery in Collaborative Filtering Data. , 2011, , .		6
43	From global to local and viceversa: uses of associative rule learning for classification in imprecise environments. Knowledge and Information Systems, 2012, 33, 137-169.	3.2	6
44	Rialto: A Knowledge Discovery suite for data analysis. Expert Systems With Applications, 2016, 59, 145-164.	7.6	6
45	Experiences with a Logic-based Knowledge Discovery Support Environment. Lecture Notes in Computer Science, 2000, , 202-213.	1.3	6
46	Data Mining for Effective Risk Analysis in a Bank Intelligence Scenario. , 2007, , .		5
47	Data De-duplication: A Review. Studies in Computational Intelligence, 2011, , 385-412.	0.9	5
48	Specifying Mining Algorithms with Iterative User-Defined Aggregates: A Case Study. Lecture Notes in Computer Science, 2001, , 128-139.	1.3	5
49	Datalog++: A basis for active object-oriented databases. Lecture Notes in Computer Science, 1997, , 283-301.	1.3	4
50	Characterizing Web user accesses: a transactional approach to Web log clustering. , 0, , .		4
51	A Factorization Approach for Survival Analysis on Diffusion Networks. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 1-13.	5.7	4
52	Towards a Logic Query Language for Data Mining. Lecture Notes in Computer Science, 2004, , 76-94.	1.3	4
53	Rule Learning with Probabilistic Smoothing. Lecture Notes in Computer Science, 2009, , 428-440.	1.3	4
54	Logical Languages for Data Mining. , 2004, , 325-361.		4

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55	Making Knowledge Extraction and Reasoning Closer. Lecture Notes in Computer Science, 2000, , 360-371.	1.3	4
56	$$ mathcal{L}mathcal{D}mathcal{L} - mathcal{M}_{ine} $$: Integrating Data Mining with Intelligent Query Answering. Lecture Notes in Computer Science, 2002, , 517-520.	1.3	4
57	On the Effective Semantics of Nondeterministic, Nonmonotonic, Temporal Logic Databases. Lecture Notes in Computer Science, 1999, , 58-72.	1.3	4
58	Survival Factorization on Diffusion Networks. Lecture Notes in Computer Science, 2017, , 684-700.	1.3	4
59	Learning Ideological Embeddings from Information Cascades. , 2021, , .		4
60	Effectively Grouping Trajectory Streams. Lecture Notes in Computer Science, 2013, , 94-108.	1.3	3
61	Adversarial Regularized Reconstruction for Anomaly Detection and Generation. , 2021, , .		3
62	A Block Mixture Model for Pattern Discovery in Preference Data. , 2010, , .		2
63	Predicting Temporal Activation Patterns via Recurrent Neural Networks. Lecture Notes in Computer Science, 2018, , 347-356.	1.3	2
64	A Generative Bayesian Model for Item and User Recommendation in Social Rating Networks with Trust Relationships. Lecture Notes in Computer Science, 2014, , 258-273.	1.3	2
65	Declarative Knowledge Extraction with Iterative User-Defined Aggregates. , 2001, , 435-444.		2
66	Eureka!: A Tool for Interactive Knowledge Discovery. Lecture Notes in Computer Science, 2002, , 381-391.	1.3	2
67	Effective Incremental Clustering for Duplicate Detection in Large Databases. , 2006, , .		1
68	Logistics Management in a Mobile Environment: A Decision Support System Based on Trajectory Mining. , 2007, , .		1
69	Mining models of exceptional objects through rule learning. , 2010, , .		1
70	Recent advances in mining patterns from complex data. Journal of Intelligent Information Systems, 2016, 47, 1-3.	3.9	1
71	20+ Years of Analytics on Complex Data: Impact, Issues, Challenges and Contributions. Studies in Big Data, 2018, , 353-374.	1.1	1
72	Exploiting Temporal Convolution for Activity Prediction in Process Analytics. Communications in Computer and Information Science, 2020, , 263-275.	0.5	1

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73	Machine learning methods for generating high dimensional discrete datasets. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2022, 12, .	6.8	1
74	A Data Mining-based Framework for GridWorkflow Management. , 0, , .		0
75	Clustering Relational Data: A Transactional Approach. , 2009, , .		0
76	Preface to the International Workshop on Spatial and Spatio-Temporal Data Mining. , 2011, , .		0
77	XML class outlier detection. , 2012, , .		0
78	Mining complex patterns. Journal of Intelligent Information Systems, 2014, 42, 179-180.	3.9	0
79	Hyper-parameter Optimization for Latent Spaces. Lecture Notes in Computer Science, 2021, , 249-264.	1.3	0
80	A Block Coclustering Model for Pattern Discovering in Usersâ€™ Preference Data. Communications in Computer and Information Science, 2013, , 94-108.	0.5	0