Nicola Di Mauro

List of Publications by Year
in descending order

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73 papers	525 citations	840776 11 h-index	794594 19 g-index
80 all docs	80 docs citations	80 times ranked	322 citing authors

#	Article	IF	Citations
1	Multi-Channel Deep Feature Learning for Intrusion Detection. IEEE Access, 2020, 8, 53346-53359.	4.2	70
2	A General Similarity Framework for Horn Clause Logic. Fundamenta Informaticae, 2009, 90, 43-66.	0.4	32
3	Simplifying, Regularizing and Strengthening Sum-Product Network Structure Learning. Lecture Notes in Computer Science, 2015, , 343-358.	1.3	31
4	Machine Learning for Digital Document Processing: from Layout Analysis to Metadata Extraction. Studies in Computational Intelligence, 2008, , 105-138.	0.9	27
5	Incremental multistrategy learning for document processing. Applied Artificial Intelligence, 2003, 17, 859-883.	3.2	25
6	GRAPE: An Expert Review Assignment Component for Scientific Conference Management Systems. Lecture Notes in Computer Science, 2005, , 789-798.	1.3	22
7	Exploiting the Auto-Encoder Residual Error for Intrusion Detection. , 2019, , .		19
8	Automatic Topics Identification for Reviewer Assignment. Lecture Notes in Computer Science, 2006, , 721-730.	1.3	18
9	Applying the information bottleneck to statistical relational learning. Machine Learning, 2012, 86, 89-114.	5.4	17
10	Avoiding Order Effects in Incremental Learning. Lecture Notes in Computer Science, 2005, , 110-121.	1.3	17
11	Coalition Structure Generation with GRASP. Lecture Notes in Computer Science, 2010, , 111-120.	1.3	17
12	Incremental learning and concept drift in INTHELEX. Intelligent Data Analysis, 2004, 8, 213-237.	0.9	15
13	Machine learning methods for automatically processing historical documents: from paper acquisition to XML transformation. , 0, , .		13
14	Plugging Taxonomic Similarity in First-Order Logic Horn Clauses Comparison. Lecture Notes in Computer Science, 2009, , 131-140.	1.3	11
15	Leveraging Shallow Machine Learning to Predict Business Process Behavior. , 2019, , .		10
16	Machine Learning Approaches for Inducing Student Models. Lecture Notes in Computer Science, 2004, , 935-944.	1.3	9
17	Bandit-based Monte-Carlo structure learning of probabilistic logic programs. Machine Learning, 2015, 100, 127-156.	5.4	8
18	Learning Accurate Cutset Networks by Exploiting Decomposability. Lecture Notes in Computer Science, 2015, , 221-232.	1.3	8

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19	Finding Critical Cells in Web Tables with SRL: Trying to Uncover the Devil's Tease. , 2013, , .		7
20	Visualizing and understanding Sum-Product Networks. Machine Learning, 2019, 108, 551-573.	5.4	7
21	Learning Bayesian Random Cutset Forests. Lecture Notes in Computer Science, 2015, , 122-132.	1.3	7
22	Incremental Learning of First Order Logic Theories for the Automatic Annotations of Web Documents. Proc Int Conf Doc Anal Recognit, 2007, , .	0.0	6
23	Approximate image color correlograms. , 2010, , .		6
24	Social networks and statistical relational learning: a survey. International Journal of Social Network Mining, 2012, 1, 185.	0.2	6
25	Automatic Induction of First-Order Logic Descriptors Type Domains from Observations. Lecture Notes in Computer Science, 2004, , 116-131.	1.3	6
26	A Relational Approach to Sensor Network Data Mining. Studies in Computational Intelligence, 2010, , 163-181.	0.9	6
27	Optimizing Probabilistic Models for Relational Sequence Learning. Lecture Notes in Computer Science, 2011, , 240-249.	1.3	6
28	An Exhaustive Matching Procedure for the Improvement of Learning Efficiency. Lecture Notes in Computer Science, 2003, , 112-129.	1.3	5
29	k-Nearest Neighbor Classification on First-Order Logic Descriptions. , 2008, , .		5
30	rsLDA: A Bayesian hierarchical model for relational learning. , 2011, , .		5
31	Link classification with probabilistic graphs. Journal of Intelligent Information Systems, 2014, 42, 181-206.	3.9	5
32	Ensembles of density estimators for positive-unlabeled learning. Journal of Intelligent Information Systems, 2019, 53, 199-217.	3.9	5
33	Relational Temporal Data Mining for Wireless Sensor Networks. Lecture Notes in Computer Science, 2009, , 416-425.	1.3	5
34	A Complete Subsumption Algorithm. Lecture Notes in Computer Science, 2003, , 1-13.	1.3	4
35	Automatic Content-based Indexing of Digital Documents through Intelligent Processing Techniques. , 0, , .		3
36	Inference of abduction theories for handling incompleteness in first-order learning. Knowledge and Information Systems, 2007, 11, 217-242.	3.2	3

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37	Density Estimators for Positive-Unlabeled Learning. Lecture Notes in Computer Science, 2018, , 49-64.	1.3	3
38	Incremental Induction of Rules for Document Image Understanding. Lecture Notes in Computer Science, 2003, , 176-188.	1.3	3
39	Learning to Recognize Critical Cells in Document Tables. Communications in Computer and Information Science, 2013, , 105-116.	0.5	3
40	Uncertain (Multi)Graphs for Personalization Services in Digital Libraries. Communications in Computer and Information Science, 2013, , 141-152.	0.5	3
41	Generalization-Based Similarity for Conceptual Clustering. Lecture Notes in Computer Science, 2008, , 13-26.	1.3	3
42	Intelligent document processing. , 2005, , .		2
43	Text learning for user profiling in e-commerce. International Journal of Systems Science, 2006, 37, 905-918.	5.5	2
44	Automatic Document Layout Analysis through Relational Machine Learning. Studies in Computational Intelligence, 2011, , 73-96.	0.9	2
45	Grasp and Path-Relinking for Coalition Structure Generation. Fundamenta Informaticae, 2014, 129, 251-277.	0.4	2
46	An Algorithm for Incremental Mode Induction. Lecture Notes in Computer Science, 2004, , 512-522.	1.3	2
47	Probabilistic Inference over Image Networks. Communications in Computer and Information Science, 2011, , 1-13.	0.5	2
48	Learning in Probabilistic Graphs Exploiting Language-Constrained Patterns. Lecture Notes in Computer Science, 2013, , 155-169.	1.3	2
49	On the LearnAbility of Abstraction Theories from Observations for Relational Learning. Lecture Notes in Computer Science, 2005, , 120-132.	1.3	2
50	A Hybrid Symbolic-Statistical Approach to Modeling Metabolic Networks. Lecture Notes in Computer Science, 2007, , 132-139.	1.3	2
51	Stochastic Propositionalization for Efficient Multi-relational Learning. Lecture Notes in Computer Science, 2008, , 78-83.	1.3	2
52	Relational Learning by Imitation. Lecture Notes in Computer Science, 2009, , 273-282.	1.3	2
53	Approximate Relational Reasoning by Stochastic Propositionalization. Studies in Computational Intelligence, 2010, , 81-109.	0.9	2
54	A Taxonomic Generalization Technique for Natural Language Processing. Lecture Notes in Computer Science, 2011, , 418-427.	1.3	2

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55	Incremental Induction of Classification Rules for Cultural Heritage Documents. Lecture Notes in Computer Science, 2004, , 915-923.	1.3	1
56	Handling Continuous-Valued Attributes in Incremental First-Order Rules Learning. Lecture Notes in Computer Science, 2005, , 430-441.	1.3	1
57	Markov Logic Networks for Document Layout Correction. Lecture Notes in Computer Science, 2011, , 275-284.	1.3	1
58	Cooperation of Multiple Strategies for Automated Learning in Complex Environments. Lecture Notes in Computer Science, 2002, , 574-582.	1.3	1
59	Improving Automatic Labelling through RDF Management. Lecture Notes in Computer Science, 2003, , 578-589.	1.3	1
60	Automatic Induction of Abduction and Abstraction Theories from Observations. Lecture Notes in Computer Science, 2005, , 103-120.	1.3	1
61	Multi-class Protein Fold Recognition Through a Symbolic-Statistical Framework. Lecture Notes in Computer Science, 2007, , 666-673.	1.3	1
62	Approximate Reasoning for Efficient Anytime Induction from Relational Knowledge Bases. Lecture Notes in Computer Science, 2008, , 160-173.	1.3	1
63	Machine Learning Enhancing Adaptivity of Multimodal Mobile Systems. , 0, , 121-138.		1
64	Italian Machine Learning and Data Mining research: The last years. Intelligenza Artificiale, 2013, 7, 77-89.	1.6	0
65	Assessing Document Relevance by Modeling Citation Networks with Probabilistic Graphs. Procedia Computer Science, 2014, 38, 68-75.	2.0	0
66	mLynx: Relational Mutual Information. , 2014, , 181-188.		0
67	Extremely Randomized CNets for Multi-label Classification. Lecture Notes in Computer Science, 2018, , 334-347.	1.3	0
68	Sum-Product Network structure learning by efficient product nodes discovery. Intelligenza Artificiale, 2019, 12, 143-159.	1.6	0
69	A LOGIC PROGRAMMING FRAMEWORK FOR LEARNING BY IMITATION. , 2009, , .		0
70	Relational Sequence Clustering for Aggregating Similar Agents. Lecture Notes in Computer Science, 2009, , 361-370.	1.3	0
71	FOL Learning for Knowledge Discovery in Documents. , 2010, , 348-374.		0
72	Merging Structural and Taxonomic Similarity for Text Retrieval Using Relational Descriptions. Communications in Computer and Information Science, 2010, , 149-160.	0.5	0

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73	DDTA - Digitalisation of Districts in the Textile and Clothing Sector. Communications in Computer and Information Science, 2011, , 119-122.	0.5	0