Floriana Esposito

List of Publications by Year in descending order

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160	2,055	304368	301761
papers	citations	22 h-index	39 g-index

171	171	171	1106
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comparative analysis of methods for pruning decision trees. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1997, 19, 476-493.	9.7	395
2	DL-FOIL Concept Learning in Description Logics. Lecture Notes in Computer Science, 2008, , 107-121.	1.0	93
3	Top-down induction of model trees with regression and splitting nodes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 612-625.	9.7	86
4	MULTISTRATEGY LEARNING FOR DOCUMENT RECOGNITION. Applied Artificial Intelligence, 1994, 8, 33-84.	2.0	70
5	Multistrategy Theory Revision: Induction and Abduction in INTHELEX. Machine Learning, 2000, 38, 133-156.	3.4	59
6	Transforming paper documents into XML format with WISDOM++. International Journal on Document Analysis and Recognition, 2001, 4, 2-17.	2.7	54
7	Query Answering and Ontology Population: An Inductive Approach. , 2008, , 288-302.		47
8	An introduction to symbolic data analysis and the SODAS software. Intelligent Data Analysis, 2003, 7, 583-601.	0.4	45
9	Machine Learning for Intelligent Processing of Printed Documents. Journal of Intelligent Information Systems, 2000, 14, 175-198.	2.8	44
10	A Logic Framework for the Incremental Inductive Synthesis of Datalog Theories. Lecture Notes in Computer Science, 1998, , 300-321.	1.0	42
11	A dissimilarity measure for ALC concept descriptions. , 2006, , .		39
12	The effects of pruning methods on the predictive accuracy of induced decision trees. Applied Stochastic Models in Business and Industry, 1999, 15, 277-299.	0.9	36
13	Conceptual Clustering and Its Application to Concept Drift and Novelty Detection. , 2008, , 318-332.		34
14	Classification in noisy environments using a distance measure between structural symbolic descriptions. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1992, 14, 390-402.	9.7	33
15	Knowledge-Intensive Induction of Terminologies from Metadata. Lecture Notes in Computer Science, 2004, , 441-455.	1.0	33
16	A General Similarity Framework for Horn Clause Logic. Fundamenta Informaticae, 2009, 90, 43-66.	0.3	32
17	Simplifying, Regularizing and Strengthening Sum-Product Network Structure Learning. Lecture Notes in Computer Science, 2015, , 343-358.	1.0	31
18	Automatic Learning of Linguistic Resources for Stopword Removal and Stemming from Text. Procedia Computer Science, 2014, 38, 116-123.	1.2	30

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19	Inductive learning for the Semantic Web: What does it buy?. Semantic Web, 2010, 1, 53-59.	1.1	28
20	Statistical Learning for Inductive Query Answering on OWL Ontologies. Lecture Notes in Computer Science, 2008, , 195-212.	1.0	28
21	Metric-based stochastic conceptual clustering for ontologies. Information Systems, 2009, 34, 792-806.	2.4	27
22	Machine Learning for Digital Document Processing: from Layout Analysis to Metadata Extraction. Studies in Computational Intelligence, 2008, , 105-138.	0.7	27
23	Empowering a GIS with inductive learning capabilities: the case of INGENS. Computers, Environment and Urban Systems, 2003, 27, 265-281.	3.3	26
24	Adding machine learning and knowledge intensive techniques to a digital library service. International Journal on Digital Libraries, 1998, 2, 3-19.	1.1	25
25	Incremental multistrategy learning for document processing. Applied Artificial Intelligence, 2003, 17, 859-883.	2.0	25
26	Classification of symbolic objects: A lazy learning approach. Intelligent Data Analysis, 2006, 10, 301-324.	0.4	24
27	A Further Comparison of Simplification Methods for Decision-Tree Induction. Lecture Notes in Statistics, 1996, , 365-374.	0.1	24
28	Induction of Concepts in Web Ontologies through Terminological Decision Trees. Lecture Notes in Computer Science, 2010, , 442-457.	1.0	24
29	A Logic Framework for Incremental Learning of Process Models. Fundamenta Informaticae, 2013, 128, 413-443.	0.3	21
30	Decision tree pruning as a search in the state space. Lecture Notes in Computer Science, 1993, , 165-184.	1.0	21
31	Discriminative Structure Learning of Markov Logic Networks. Lecture Notes in Computer Science, 2008, , 59-76.	1.0	19
32	Learning with Kernels in Description Logics. Lecture Notes in Computer Science, 2008, , 210-225.	1.0	18
33	Avoiding Order Effects in Incremental Learning. Lecture Notes in Computer Science, 2005, , 110-121.	1.0	17
34	Coalition Structure Generation with GRASP. Lecture Notes in Computer Science, 2010, , 111-120.	1.0	17
35	Scalable Learning of Entity and Predicate Embeddings for Knowledge Graph Completion. , 2015, , .		15
36	Predicting Process Behavior in WoMan. Lecture Notes in Computer Science, 2016, , 308-320.	1.0	15

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37	Evolutionary Conceptual Clustering Based on Induced Pseudo-Metrics. International Journal on Semantic Web and Information Systems, 2008, 4, 44-67.	2.2	13
38	Machine learning for map interpretation: An intelligent tool for environmental planning. Applied Artificial Intelligence, 1997, 11, 673-696.	2.0	12
39	Induction of robust classifiers for web ontologies through kernel machines. Web Semantics, 2012, 11, 1-13.	2.2	12
40	Tree-based models for inductive classification on the Web Of Data. Web Semantics, 2017, 45, 1-22.	2.2	12
41	Locally finite, proper and complete operators for refining Datalog programs. Lecture Notes in Computer Science, 1996, , 468-478.	1.0	12
42	A Distance-Based Technique for Non-Manhattan Layout Analysis. , 2009, , .		11
43	A histogram-based technique for automatic threshold assessment in a run length smoothing-based algorithm. , 2010, , .		11
44	Efficient Evaluation of Candidate Hypotheses in $mathcal{AL}$ -log. Lecture Notes in Computer Science, 2004, , 216-233.	1.0	11
45	Ideal refinement of Datalog programs. Lecture Notes in Computer Science, 1996, , 120-136.	1.0	10
46	Machine learning in computer vision. Applied Artificial Intelligence, 2001, 15, 693-705.	2.0	9
47	Terminological Cluster Trees for Disjointness Axiom Discovery. Lecture Notes in Computer Science, 2017, , 184-201.	1.0	9
48	ReduCE: A Reduced Coulomb Energy Network Method for Approximate Classification. Lecture Notes in Computer Science, 2009, , 323-337.	1.0	9
49	Randomized metric induction and evolutionary conceptual clustering for semantic knowledge bases. , 2007, , .		8
50	Inductive Classification of Semantically Annotated Resources through Reduced Coulomb Energy Networks. International Journal on Semantic Web and Information Systems, 2009, 5, 19-38.	2.2	8
51	Inductive reasoning and semantic web search. , 2010, , .		8
52	Approximate classification with web ontologies through evidential terminological trees and forests. International Journal of Approximate Reasoning, 2018, 92, 340-362.	1.9	8
53	DLFoil: Class Expression Learning Revisited. Lecture Notes in Computer Science, 2018, , 98-113.	1.0	8
54	Document Classification and Interpretation through the Inference of Logic-Based Models. Lecture Notes in Computer Science, 2001, , 59-70.	1.0	8

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55	Learning Accurate Cutset Networks by Exploiting Decomposability. Lecture Notes in Computer Science, 2015, , 221-232.	1.0	8
56	Foundations of Onto-Relational Learning. Lecture Notes in Computer Science, 2008, , 158-175.	1.0	8
57	Improving User Stereotypes through Machine Learning Techniques. Communications in Computer and Information Science, 2011, , 38-48.	0.4	8
58	Finding Critical Cells in Web Tables with SRL: Trying to Uncover the Devil's Tease. , 2013, , .		7
59	Visualizing and understanding Sum-Product Networks. Machine Learning, 2019, 108, 551-573.	3.4	7
60	Extended Process Models for Activity Prediction. Lecture Notes in Computer Science, 2017, , 368-377.	1.0	7
61	Analogical Reasoning in Description Logics. Lecture Notes in Computer Science, 2008, , 330-347.	1.0	7
62	Instance-based retrieval by analogy. , 2007, , .		6
63	Approximate image color correlograms. , 2010, , .		6
64	Towards Evidence-Based Terminological Decision Trees. Communications in Computer and Information Science, 2014, , 36-45.	0.4	6
65	On Ontologies as Prior Conceptual Knowledge in Inductive Logic Programming. Studies in Computational Intelligence, 2009, , 3-17.	0.7	6
66	A Relational Approach to Sensor Network Data Mining. Studies in Computational Intelligence, 2010, , 163-181.	0.7	6
67	Optimizing Probabilistic Models for Relational Sequence Learning. Lecture Notes in Computer Science, 2011, , 240-249.	1.0	6
68	Non-parametric Statistical Learning Methods for Inductive Classifiers in Semantic Knowledge Bases. , 2008, , .		5
69	rsLDA: A Bayesian hierarchical model for relational learning. , 2011, , .		5
70	Mining Linked Open Data through Semi-supervised Learning Methods Based on Self-Training. , 2012, , .		5
71	Link classification with probabilistic graphs. Journal of Intelligent Information Systems, 2014, 42, 181-206.	2.8	5
72	Adaptive Layout Analysis of Document Images. Lecture Notes in Computer Science, 2002, , 526-534.	1.0	5

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73	Relational Temporal Data Mining for Wireless Sensor Networks. Lecture Notes in Computer Science, 2009, , 416-425.	1.0	5
74	Assertion Prediction with Ontologies through Evidence Combination. Lecture Notes in Computer Science, 2013, , 282-299.	1.0	5
75	Recovering uncertain mappings through structural validation and aggregation with the MoTo system. , 2010, , .		4
76	Towards the induction of terminological decision trees. , 2010, , .		4
77	Stochastic simulation and modelling of metabolic networks in a machine learning framework. Simulation Modelling Practice and Theory, 2011, 19, 1957-1966.	2.2	4
78	Abstract argumentation for reading order detection. , 2014, , .		4
79	Prediction of class and property assertions on OWL ontologies through evidence combination. , 2011, , .		4
80	Representing Uncertain Concepts in Rough Description Logics via Contextual Indiscernibility Relations. Lecture Notes in Computer Science, 2013, , 300-314.	1.0	4
81	Evolutionary Conceptual Clustering of Semantically Annotated Resources. , 2007, , .		3
82	DL-LINK: A CONCEPTUAL CLUSTERING ALGORITHM FOR INDEXING DESCRIPTION LOGICS KNOWLEDGE BASES. International Journal of Semantic Computing, 2010, 04, 453-486.	0.4	3
83	Composite ontology matching with uncertain mappings recovery. ACM SIGAPP Applied Computing Review: A Publication of the Special Interest Group on Applied Computing, 2011, 11, 17-29.	0.5	3
84	Boosting learning and inference in Markov logic throughÂmetaheuristics. Applied Intelligence, 2011, 34, 279-298.	3.3	3
85	Towards Dynamic Orchestration of Semantic Web Services. Lecture Notes in Computer Science, 2013, , 16-30.	1.0	3
86	Sentiment analysis as a text categorization task: A study on feature and algorithm selection for Italian language. , 2015, , .		3
87	Tackling the Class-Imbalance Learning Problem in Semantic Web Knowledge Bases. Lecture Notes in Computer Science, 2014, , 453-468.	1.0	3
88	Density Estimators for Positive-Unlabeled Learning. Lecture Notes in Computer Science, 2018, , 49-64.	1.0	3
89	Incremental Induction of Rules for Document Image Understanding. Lecture Notes in Computer Science, 2003, , 176-188.	1.0	3
90	Learning to Recognize Critical Cells in Document Tables. Communications in Computer and Information Science, 2013, , 105-116.	0.4	3

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91	Uncertain (Multi)Graphs for Personalization Services in Digital Libraries. Communications in Computer and Information Science, 2013, , 141-152.	0.4	3
92	Transductive Inference for Class-Membership Propagation in Web Ontologies. Lecture Notes in Computer Science, 2013, , 457-471.	1.0	3
93	A Multi-relational Hierarchical Clustering Method for Datalog Knowledge Bases. , 2008, , 137-142.		3
94	A Hierarchical Clustering Procedure for Semantically Annotated Resources. Lecture Notes in Computer Science, 2007, , 266-277.	1.0	3
95	Inductive learning from numerical and symbolic data: An integrated framework. Intelligent Data Analysis, 2001, 5, 445-461.	0.4	2
96	Fuzzy Clustering for Semantic Knowledge Bases. Fundamenta Informaticae, 2010, 99, 187-205.	0.3	2
97	A Contour-Based Progressive Technique for Shape Recognition. , 2011, , .		2
98	Automatic Document Layout Analysis through Relational Machine Learning. Studies in Computational Intelligence, 2011, , 73-96.	0.7	2
99	Grasp and Path-Relinking for Coalition Structure Generation. Fundamenta Informaticae, 2014, 129, 251-277.	0.3	2
100	Guest Editorsâ€™ introduction: special issue of the ECML/PKDD 2014 journal track. Machine Learning, 2014, 97, 1-3.	3.4	2
101	A Gaussian Process Model for Knowledge Propagation in Web Ontologies. , 2014, , .		2
102	Inductive Classification Through Evidence-Based Models and Their Ensembles. Lecture Notes in Computer Science, 2015, , 418-433.	1.0	2
103	Conceptual Clustering Applied to Ontologies. , 2007, , 42-56.		2
104	Probabilistic Inference over Image Networks. Communications in Computer and Information Science, 2011, , 1-13.	0.4	2
105	DOMINUS plus - DOcument Management INtelligent Universal System (plus). Communications in Computer and Information Science, 2011, , 123-126.	0.4	2
106	Learning in Probabilistic Graphs Exploiting Language-Constrained Patterns. Lecture Notes in Computer Science, 2013, , 155-169.	1.0	2
107	On the LearnAbility of Abstraction Theories from Observations for Relational Learning. Lecture Notes in Computer Science, 2005, , 120-132.	1.0	2
108	Partitional Conceptual Clustering of Web Resources Annotated with Ontology Languages. Studies in Computational Intelligence, 2009, , 53-70.	0.7	2

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109	Relational Learning by Imitation. Lecture Notes in Computer Science, 2009, , 273-282.	1.0	2
110	Approximate Relational Reasoning by Stochastic Propositionalization. Studies in Computational Intelligence, 2010, , 81-109.	0.7	2
111	A Taxonomic Generalization Technique for Natural Language Processing. Lecture Notes in Computer Science, 2011, , 418-427.	1.0	2
112	A Heuristic Approach to Handling Sequential Information in Incremental ILP. Lecture Notes in Computer Science, 2013, , 109-120.	1.0	2
113	Symbolic Learning Techniques in Paper Document Processing. Lecture Notes in Computer Science, 1999, , 159-173.	1.0	2
114	Induction of Optimal Semantic Semi-distances for Clausal Knowledge Bases. , 2008, , 29-38.		2
115	Inductive Query Answering and Concept Retrieval Exploiting Local Models. , 2009, , .		1
116	Approximate Classification of Semantically Annotated Web Resources Exploiting Pseudo-metrics Induced by Local Models. , 2009, , .		1
117	Efficient Resource Retrieval from Semantic Knowledge Bases. , 2010, , .		1
118	Engineering SLS Algorithms for Statistical Relational Models. , 2011, , .		1
119	Using Machine Learning Techniques for Modelling and Simulation of Metabolic Networks. , 2011, , .		1
120	SWRL Rules Plan Encoding with OWL-S Composite Services. Lecture Notes in Computer Science, 2011, , 476-482.	1.0	1
121	Modelling and Searching of Combinatorial Spaces Based on Markov Logic Networks. Journal of Algorithms and Computational Technology, 2011, 5, 289-312.	0.4	1
122	Towards Numeric Prediction on OWL Knowledge Bases through Terminological Regression Trees. , 2012, , .		1
123	Symbolic machine learning methods for historical document processing. , 2013, , .		1
124	Rank prediction for semantically annotated resources. , 2013, , .		1
125	Pushing the Boundaries of the Digital Libraries Field: Preface IRCDL 2014. Procedia Computer Science, 2014, 38, 1-3.	1.2	1
126	A Counterfactual-Based Learning Algorithm for $mathcal{ALC}$ Description Logic. Lecture Notes in Computer Science, 2005, , 406-417.	1.0	1

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127	Handling Continuous-Valued Attributes in Incremental First-Order Rules Learning. Lecture Notes in Computer Science, 2005, , 430-441.	1.0	1
128	Nonmonotonic Onto-Relational Learning. Lecture Notes in Computer Science, 2010, , 88-95.	1.0	1
129	Inductive Classification of Semantically Annotated Resources through Reduced Coulomb Energy Networks. , 2011, , 322-342.		1
130	Improving Automatic Labelling through RDF Management. Lecture Notes in Computer Science, 2003, , 578-589.	1.0	1
131	Approximate Reasoning for Efficient Anytime Induction from Relational Knowledge Bases. Lecture Notes in Computer Science, 2008, , 160-173.	1.0	1
132	Learning to Rank Individuals in Description Logics Using Kernel Perceptrons. Lecture Notes in Computer Science, 2010, , 173-181.	1.0	1
133	A Multi-relational Learning Approach for Knowledge Extraction in in Vitro Fertilization Domain. Lecture Notes in Computer Science, 2010, , 571-581.	1.0	1
134	Intelligent Text Processing Techniques for Textual-Profile Gene Characterization. Lecture Notes in Computer Science, 2010, , 33-44.	1.0	1
135	Language Identification as Process Prediction Using WoMan. Communications in Computer and Information Science, 2017, , 159-172.	0.4	1
136	Machine Learning Enhancing Adaptivity of Multimodal Mobile Systems. , 0, , 121-138.		1
137	Hi-Fi HTML rendering of multi-format documents in DoMinUS. , 2013, , .		0
138	Assessing Document Relevance by Modeling Citation Networks with Probabilistic Graphs. Procedia Computer Science, 2014, 38, 68-75.	1.2	0
139	Guest editorsâ€™ introduction: special issue of the ECML/PKDD 2014 journal track. Data Mining and Knowledge Discovery, 2014, 28, 1129-1133.	2.4	0
140	mLynx: Relational Mutual Information. , 2014, , 181-188.		0
141	Tree-Based Models for Inductive Classification on the Web of Data. SSRN Electronic Journal, 2017, , .	0.4	0
142	Sum-Product Network structure learning by efficient product nodes discovery. Intelligenza Artificiale, 2019, 12, 143-159.	1.0	0
143	Efficient MAP Inference for Statistical Relational Models through Hybrid Metaheuristics. Lecture Notes in Computer Science, 2009, , 402-411.	1.0	0
144	Fuzzy Clustering for Categorical Spaces. Lecture Notes in Computer Science, 2009, , 161-170.	1.0	0

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145	Relational Sequence Clustering for Aggregating Similar Agents. Lecture Notes in Computer Science, 2009, , 361-370.	1.0	0
146	Using Explicit Word Co-occurrences to Improve Term-Based Text Retrieval. Communications in Computer and Information Science, 2010, , 125-136.	0.4	0
147	FOL Learning for Knowledge Discovery in Documents. , 2010, , 348-374.		0
148	Towards Multistrategic Statistical Relational Learning. Studies in Computational Intelligence, 2010, , 121-142.	0.7	0
149	Merging Structural and Taxonomic Similarity for Text Retrieval Using Relational Descriptions. Communications in Computer and Information Science, 2010, , 149-160.	0.4	0
150	Protein Fold Recognition Using Markov Logic Networks. , 2011, , 69-85.		0
151	A Multi-relational Learning Framework to Support Biomedical Applications. Lecture Notes in Computer Science, 2011, , 188-202.	1.0	0
152	DDTA - Digitalisation of Districts in the Textile and Clothing Sector. Communications in Computer and Information Science, 2011, , 119-122.	0.4	0
153	MBlab: Molecular Biodiversity Laboratory. Communications in Computer and Information Science, 2011, , 132-135.	0.4	0
154	Induction of Robust Classifiers for Web Ontologies Through Kernel Machines. SSRN Electronic Journal, 0, , .	0.4	0
155	Learning Probabilistic Description Logic Concepts Under Alternative Assumptions on Incompleteness. Lecture Notes in Computer Science, 2014, , 184-201.	1.0	0
156	Contour-Based Progressive Identification of Known Shapes in Images. Communications in Computer and Information Science, 2014, , 17-28.	0.4	0
157	Unsupervised Author Identification and Characterization. Communications in Computer and Information Science, 2016, , 129-141.	0.4	0
158	Approximating Numeric Role Fillers via Predictive Clustering Trees for Knowledge Base Enrichment in the Web of Data. Lecture Notes in Computer Science, 2016, , 101-117.	1.0	0
159	A Study on the Classification of Layout Components for Newspapers. Communications in Computer and Information Science, 2017, , 166-178.	0.4	0
160	Evolutionary Clustering in Description Logics: Controlling Concept Formation and Drift in Ontologies. Lecture Notes in Computer Science, 2008, , 808-821.	1.0	0