Nicola Fanizzi

List of Publications by Year
in descending order

107	1,231	471509 17	477307 29
papers	citations	h-index	g-index

115	115	115	424
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An unsupervised approach to disjointness learning based on terminological cluster trees. Semantic Web, 2021, 12, 423-447.	1.9	2
2	Injecting Background Knowledge into Embedding Models for Predictive Tasks on Knowledge Graphs. Lecture Notes in Computer Science, 2021, , 441-457.	1.3	9
3	An Approach Based on Semantic Similarity to Explaining Link Predictions on Knowledge Graphs. , 2021, , .		0
4	Class expression induction as concept space exploration: From DL-Foil to DL-Focl. Future Generation Computer Systems, 2020, 108, 256-272.	7.5	13
5	Boosting DL Concept Learners. Lecture Notes in Computer Science, 2019, , 68-83.	1.3	4
6	Adaptive Knowledge Propagation in Web Ontologies. ACM Transactions on the Web, 2018, 12, 1-28.	2.5	6
7	Approximate classification with web ontologies through evidential terminological trees and forests. International Journal of Approximate Reasoning, 2018, 92, 340-362.	3.3	8
8	DLFoil: Class Expression Learning Revisited. Lecture Notes in Computer Science, 2018, , 98-113.	1.3	8
9	Tree-based models for inductive classification on the Web Of Data. Web Semantics, 2017, 45, 1-22.	2.9	12
10	Terminological Cluster Trees for Disjointness Axiom Discovery. Lecture Notes in Computer Science, 2017, , 184-201.	1.3	9
11	Tree-Based Models for Inductive Classification on the Web of Data. SSRN Electronic Journal, 2017, , .	0.4	0
12	Efficient energy-based embedding models for link prediction in knowledge graphs. Journal of Intelligent Information Systems, 2016, 47, 91-109.	3.9	10
13	Discovering Similarity and Dissimilarity Relations for Knowledge Propagation in Web Ontologies. Journal on Data Semantics, 2016, 5, 229-248.	2.0	2
14	Integrating New Refinement Operators in Terminological Decision Trees Learning. Lecture Notes in Computer Science, 2016, , 511-526.	1.3	2
15	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.	1.3	0
16	Leveraging the schema in latent factor models for knowledge graph completion. , 2016, , .		5
17	Scalable Learning of Entity and Predicate Embeddings for Knowledge Graph Completion. , 2015, , .		15
18	Inductive Classification Through Evidence-Based Models and Their Ensembles. Lecture Notes in Computer Science, 2015, , 418-433.	1.3	2

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19	On the Effectiveness of Evidence-Based Terminological Decision Trees. Lecture Notes in Computer Science, 2015, , 139-149.	1.3	3
20	Inductive Reasoning and Machine Learning for the Semantic Web. Semantic Web, 2014, 5, 3-4.	1.9	2
21	A Gaussian Process Model for Knowledge Propagation in Web Ontologies. , 2014, , .		2
22	Towards Evidence-Based Terminological Decision Trees. Communications in Computer and Information Science, 2014, , 36-45.	0.5	6
23	Adaptive Knowledge Propagation in Web Ontologies. Lecture Notes in Computer Science, 2014, , 304-319.	1.3	1
24	Tackling the Class-Imbalance Learning Problem in Semantic Web Knowledge Bases. Lecture Notes in Computer Science, 2014, , 453-468.	1.3	3
25	Learning Probabilistic Description Logic Concepts Under Alternative Assumptions on Incompleteness. Lecture Notes in Computer Science, 2014, , 184-201.	1.3	0
26	Graph-Based Regularization for Transductive Class-Membership Prediction. Lecture Notes in Computer Science, 2014, , 202-218.	1.3	0
27	Semantic Web Search and Inductive Reasoning. Lecture Notes in Computer Science, 2013, , 237-261.	1.3	2
28	Rank prediction for semantically annotated resources. , 2013, , .		1
29	Italian Machine Learning and Data Mining research: The last years. Intelligenza Artificiale, 2013, 7, 77-89.	1.6	0
30	Assertion Prediction with Ontologies through Evidence Combination. Lecture Notes in Computer Science, 2013, , 282-299.	1.3	5
31	Transductive Inference for Class-Membership Propagation in Web Ontologies. Lecture Notes in Computer Science, 2013, , 457-471.	1.3	3
32	Concept Induction in Description Logics Using Information-Theoretic Heuristics. , 2013, , 97-118.		0
33	Representing Uncertain Concepts in Rough Description Logics via Contextual Indiscernibility Relations. Lecture Notes in Computer Science, 2013, , 300-314.	1.3	4
34	Learning probabilistic Description logic concepts. , 2012, , .		4
35	Message from the ICSC 2012 Workshop Co-Chairs. , 2012, , .		0
36	NUMERIC PREDICTION ON OWL KNOWLEDGE BASES THROUGH TERMINOLOGICAL REGRESSION TREES. International Journal of Semantic Computing, 2012, 06, 429-446.	0.5	6

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37	Ontology-based semantic search on the Web and its combination with the power of inductive reasoning. Annals of Mathematics and Artificial Intelligence, 2012, 65, 83-121.	1.3	13
38	Towards Numeric Prediction on OWL Knowledge Bases through Terminological Regression Trees. , 2012, , .		1
39	Mining Linked Open Data through Semi-supervised Learning Methods Based on Self-Training. , 2012, , .		5
40	Induction of robust classifiers for web ontologies through kernel machines. Web Semantics, 2012, 11, 1-13.	2.9	12
41	Mining the Semantic Web. Data Mining and Knowledge Discovery, 2012, 24, 613-662.	3.7	84
42	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.	0.9	3
43	Concept Induction in Description Logics Using Information-Theoretic Heuristics. International Journal on Semantic Web and Information Systems, 2011, 7, 23-44.	5.1	7
44	Prediction of class and property assertions on OWL ontologies through evidence combination. , 2011, , .		4
45	Inductive Classification of Semantically Annotated Resources through Reduced Coulomb Energy Networks. , 2011, , 322-342.		1
46	Learning with Semantic Kernels for Clausal Knowledge Bases. Lecture Notes in Computer Science, 2011, , 250-259.	1.3	0
47	Inductive learning for the Semantic Web: What does it buy?. Semantic Web, 2010, 1, 53-59.	1.9	28
48	Recovering uncertain mappings through structural validation and aggregation with the MoTo system. , 2010, , .		4
49	Towards the induction of terminological decision trees. , 2010, , .		4
50	Fuzzy Clustering for Semantic Knowledge Bases. Fundamenta Informaticae, 2010, 99, 187-205.	0.4	2
51	DL-LINK: A CONCEPTUAL CLUSTERING ALGORITHM FOR INDEXING DESCRIPTION LOGICS KNOWLEDGE BASES. International Journal of Semantic Computing, 2010, 04, 453-486.	0.5	3
52	Inductive reasoning and semantic web search. , 2010, , .		8
53	Combining Semantic Web Search with the Power of Inductive Reasoning. Lecture Notes in Computer Science, 2010, , 137-150.	1.3	9
54	Efficient Resource Retrieval from Semantic Knowledge Bases. , 2010, , .		1

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55	Induction of Concepts in Web Ontologies through Terminological Decision Trees. Lecture Notes in Computer Science, 2010, , 442-457.	1.3	24
56	Learning to Rank Individuals in Description Logics Using Kernel Perceptrons. Lecture Notes in Computer Science, 2010, , 173-181.	1.3	1
57	A Refinement Operator Based Method for Semantic Grouping of Conjunctive Query Results. Lecture Notes in Computer Science, 2010, , 359-368.	1.3	1
58	Inductive Classification of Semantically Annotated Resources through Reduced Coulomb Energy Networks. International Journal on Semantic Web and Information Systems, 2009, 5, 19-38.	5.1	8
59	Inductive Query Answering and Concept Retrieval Exploiting Local Models. , 2009, , .		1
60	Approximate Classification of Semantically Annotated Web Resources Exploiting Pseudo-metrics Induced by Local Models. , 2009, , .		1
61	Metric-based stochastic conceptual clustering for ontologies. Information Systems, 2009, 34, 792-806.	3.6	27
62	ReduCE: A Reduced Coulomb Energy Network Method for Approximate Classification. Lecture Notes in Computer Science, 2009, , 323-337.	1.3	9
63	Partitional Conceptual Clustering of Web Resources Annotated with Ontology Languages. Studies in Computational Intelligence, 2009, , 53-70.	0.9	2
64	Fuzzy Clustering for Categorical Spaces. Lecture Notes in Computer Science, 2009, , 161-170.	1.3	0
65	Conceptual Clustering and Its Application to Concept Drift and Novelty Detection. , 2008, , 318-332.		34
66	Non-parametric Statistical Learning Methods for Inductive Classifiers in Semantic Knowledge Bases. , 2008, , .		5
67	INDUCTION OF CLASSIFIERS THROUGH NON-PARAMETRIC METHODS FOR APPROXIMATE CLASSIFICATION AND RETRIEVAL WITH ONTOLOGIES. International Journal of Semantic Computing, 2008, 02, 403-423.	0.5	11
68	Evolutionary Conceptual Clustering Based on Induced Pseudo-Metrics. International Journal on Semantic Web and Information Systems, 2008, 4, 44-67.	5.1	13
69	Query Answering and Ontology Population: An Inductive Approach. , 2008, , 288-302.		47
70	DL-FOIL Concept Learning in Description Logics. Lecture Notes in Computer Science, 2008, , 107-121.	1.3	93
71	Learning with Kernels in Description Logics. Lecture Notes in Computer Science, 2008, , 210-225.	1.3	18
72	On the Influence of Description Logics Ontologies on Conceptual Similarity. Lecture Notes in Computer Science, 2008, , 48-63.	1.3	38

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73	Tractable Reasoning with Bayesian Description Logics. Lecture Notes in Computer Science, 2008, , 146-159.	1.3	36
74	Statistical Learning for Inductive Query Answering on OWL Ontologies. Lecture Notes in Computer Science, 2008, , 195-212.	1.3	28
75	Analogical Reasoning in Description Logics. Lecture Notes in Computer Science, 2008, , 330-347.	1.3	7
76	Approximate Measures of Semantic Dissimilarity under Uncertainty. Lecture Notes in Computer Science, 2008, , 348-365.	1.3	2
77	A Multi-relational Hierarchical Clustering Method for Datalog Knowledge Bases. , 2008, , 137-142.		3
78	Induction of Optimal Semantic Semi-distances for Clausal Knowledge Bases. , 2008, , 29-38.		2
79	Classification and Retrieval through Semantic Kernels. Lecture Notes in Computer Science, 2008, , 252-259.	1.3	1
80	Evolutionary Clustering in Description Logics: Controlling Concept Formation and Drift in Ontologies. Lecture Notes in Computer Science, 2008, , 808-821.	1.3	0
81	Randomized metric induction and evolutionary conceptual clustering for semantic knowledge bases. , 2007, , .		8
82	Instance-based retrieval by analogy. , 2007, , .		6
83	Evolutionary Conceptual Clustering of Semantically Annotated Resources. , 2007, , .		3
84	An algorithm based on counterfactuals for concept learning in the Semantic Web. Applied Intelligence, 2007, 26, 139-159.	5.3	109
85	Conceptual Clustering Applied to Ontologies. , 2007, , 42-56.		2
86	Inductive Concept Retrieval and Query Answering with Semantic Knowledge Bases Through Kernel Methods. , 2007, , 148-155.		7
87	A Hierarchical Clustering Method for Semantic Knowledge Bases. , 2007, , 653-660.		5
88	Instance-Based Query Answering with Semantic Knowledge Bases. Lecture Notes in Computer Science, 2007, , 254-265.	1.3	2
89	A Hierarchical Clustering Procedure for Semantically Annotated Resources. Lecture Notes in Computer Science, 2007, , 266-277.	1.3	3
90	A dissimilarity measure for ALC concept descriptions. , 2006, , .		39

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91	A Declarative Kernel for $mathcal{ALC}$ Concept Descriptions. Lecture Notes in Computer Science, 2006, , 322-331.	1.3	21
92	Lazy Learning from Terminological Knowledge Bases. Lecture Notes in Computer Science, 2006, , 570-579.	1.3	1
93	A Counterfactual-Based Learning Algorithm for $mathcal{ALC}$ Description Logic. Lecture Notes in Computer Science, 2005, , 406-417.	1.3	1
94	Knowledge-Intensive Induction of Terminologies from Metadata. Lecture Notes in Computer Science, 2004, , 441-455.	1.3	33
95	Incremental multistrategy learning for document processing. Applied Artificial Intelligence, 2003, 17, 859-883.	3.2	25
96	An Exhaustive Matching Procedure for the Improvement of Learning Efficiency. Lecture Notes in Computer Science, 2003, , 112-129.	1.3	5
97	Minimal Generalizations under OI-Implication. Lecture Notes in Computer Science, 2002, , 140-148.	1.3	0
98	Cooperation of Multiple Strategies for Automated Learning in Complex Environments. Lecture Notes in Computer Science, 2002, , 574-582.	1.3	1
99	Learning Interaction Models in a Digital Library Service. Lecture Notes in Computer Science, 2001, , 44-53.	1.3	12
100	Document Classification and Interpretation through the Inference of Logic-Based Models. Lecture Notes in Computer Science, 2001, , 59-70.	1.3	8
101	Learning Logic Models for Automated Text Categorization. Lecture Notes in Computer Science, 2001, , 81-86.	1.3	4
102	Multistrategy Theory Revision: Induction and Abduction in INTHELEX. Machine Learning, 2000, 38, 133-156.	5.4	59
103	Adding machine learning and knowledge intensive techniques to a digital library service. International Journal on Digital Libraries, 1998, 2, 3-19.	1.5	25
104	A Logic Framework for the Incremental Inductive Synthesis of Datalog Theories. Lecture Notes in Computer Science, 1998, , 300-321.	1.3	42
105	Machine learning + on-line libraries = IDL. Lecture Notes in Computer Science, 1997, , 195-214.	1.3	10
106	Revision of logical theories. Lecture Notes in Computer Science, 1995, , 365-376.	1.3	7
107	Induction of Robust Classifiers for Web Ontologies Through Kernel Machines. SSRN Electronic Journal, 0, , .	0.4	0