

# Nicola Fanizzi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/152887/publications.pdf>

Version: 2024-02-01

107  
papers

1,231  
citations

471509

17  
h-index

477307

29  
g-index

115  
all docs

115  
docs citations

115  
times ranked

424  
citing authors

#	ARTICLE	IF	CITATIONS
1	An algorithm based on counterfactuals for concept learning in the Semantic Web. Applied Intelligence, 2007, 26, 139-159.	5.3	109
2	DL-FOIL Concept Learning in Description Logics. Lecture Notes in Computer Science, 2008, , 107-121.	1.3	93
3	Mining the Semantic Web. Data Mining and Knowledge Discovery, 2012, 24, 613-662.	3.7	84
4	Multistrategy Theory Revision: Induction and Abduction in INTHELEX. Machine Learning, 2000, 38, 133-156.	5.4	59
5	Query Answering and Ontology Population: An Inductive Approach. , 2008, , 288-302.		47
6	A Logic Framework for the Incremental Inductive Synthesis of Datalog Theories. Lecture Notes in Computer Science, 1998, , 300-321.	1.3	42
7	A dissimilarity measure for ALC concept descriptions. , 2006, , .		39
8	On the Influence of Description Logics Ontologies on Conceptual Similarity. Lecture Notes in Computer Science, 2008, , 48-63.	1.3	38
9	Tractable Reasoning with Bayesian Description Logics. Lecture Notes in Computer Science, 2008, , 146-159.	1.3	36
10	Conceptual Clustering and Its Application to Concept Drift and Novelty Detection. , 2008, , 318-332.		34
11	Knowledge-Intensive Induction of Terminologies from Metadata. Lecture Notes in Computer Science, 2004, , 441-455.	1.3	33
12	Inductive learning for the Semantic Web: What does it buy?. Semantic Web, 2010, 1, 53-59.	1.9	28
13	Statistical Learning for Inductive Query Answering on OWL Ontologies. Lecture Notes in Computer Science, 2008, , 195-212.	1.3	28
14	Metric-based stochastic conceptual clustering for ontologies. Information Systems, 2009, 34, 792-806.	3.6	27
15	Adding machine learning and knowledge intensive techniques to a digital library service. International Journal on Digital Libraries, 1998, 2, 3-19.	1.5	25
16	Incremental multistrategy learning for document processing. Applied Artificial Intelligence, 2003, 17, 859-883.	3.2	25
17	Induction of Concepts in Web Ontologies through Terminological Decision Trees. Lecture Notes in Computer Science, 2010, , 442-457.	1.3	24
18	A Declarative Kernel for $\text{ALC}$ Concept Descriptions. Lecture Notes in Computer Science, 2006, , 322-331.	1.3	21

#	ARTICLE	IF	CITATIONS
19	Learning with Kernels in Description Logics. Lecture Notes in Computer Science, 2008, , 210-225.	1.3	18
20	Scalable Learning of Entity and Predicate Embeddings for Knowledge Graph Completion. , 2015, , .		15
21	Evolutionary Conceptual Clustering Based on Induced Pseudo-Metrics. International Journal on Semantic Web and Information Systems, 2008, 4, 44-67.	5.1	13
22	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
23	Class expression induction as concept space exploration: From DL-Foil to DL-Focl. Future Generation Computer Systems, 2020, 108, 256-272.	7.5	13
24	Induction of robust classifiers for web ontologies through kernel machines. Web Semantics, 2012, 11, 1-13.	2.9	12
25	Tree-based models for inductive classification on the Web Of Data. Web Semantics, 2017, 45, 1-22.	2.9	12
26	Learning Interaction Models in a Digital Library Service. Lecture Notes in Computer Science, 2001, , 44-53.	1.3	12
27	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
28	Machine learning + on-line libraries = IDL. Lecture Notes in Computer Science, 1997, , 195-214.	1.3	10
29	Efficient energy-based embedding models for link prediction in knowledge graphs. Journal of Intelligent Information Systems, 2016, 47, 91-109.	3.9	10
30	Combining Semantic Web Search with the Power of Inductive Reasoning. Lecture Notes in Computer Science, 2010, , 137-150.	1.3	9
31	Terminological Cluster Trees for Disjointness Axiom Discovery. Lecture Notes in Computer Science, 2017, , 184-201.	1.3	9
32	Injecting Background Knowledge into Embedding Models for Predictive Tasks on Knowledge Graphs. Lecture Notes in Computer Science, 2021, , 441-457.	1.3	9
33	ReduCE: A Reduced Coulomb Energy Network Method for Approximate Classification. Lecture Notes in Computer Science, 2009, , 323-337.	1.3	9
34	Randomized metric induction and evolutionary conceptual clustering for semantic knowledge bases. , 2007, , .		8
35	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
36	Inductive reasoning and semantic web search. , 2010, , .		8

#	ARTICLE	IF	CITATIONS
37	Approximate classification with web ontologies through evidential terminological trees and forests. International Journal of Approximate Reasoning, 2018, 92, 340-362.	3.3	8
38	DLFoil: Class Expression Learning Revisited. Lecture Notes in Computer Science, 2018, , 98-113.	1.3	8
39	Document Classification and Interpretation through the Inference of Logic-Based Models. Lecture Notes in Computer Science, 2001, , 59-70.	1.3	8
40	Concept Induction in Description Logics Using Information-Theoretic Heuristics. International Journal on Semantic Web and Information Systems, 2011, 7, 23-44.	5.1	7
41	Inductive Concept Retrieval and Query Answering with Semantic Knowledge Bases Through Kernel Methods. , 2007, , 148-155.		7
42	Analogical Reasoning in Description Logics. Lecture Notes in Computer Science, 2008, , 330-347.	1.3	7
43	Revision of logical theories. Lecture Notes in Computer Science, 1995, , 365-376.	1.3	7
44	Instance-based retrieval by analogy. , 2007, , .		6
45	NUMERIC PREDICTION ON OWL KNOWLEDGE BASES THROUGH TERMINOLOGICAL REGRESSION TREES. International Journal of Semantic Computing, 2012, 06, 429-446.	0.5	6
46	Adaptive Knowledge Propagation in Web Ontologies. ACM Transactions on the Web, 2018, 12, 1-28.	2.5	6
47	Towards Evidence-Based Terminological Decision Trees. Communications in Computer and Information Science, 2014, , 36-45.	0.5	6
48	An Exhaustive Matching Procedure for the Improvement of Learning Efficiency. Lecture Notes in Computer Science, 2003, , 112-129.	1.3	5
49	Non-parametric Statistical Learning Methods for Inductive Classifiers in Semantic Knowledge Bases. , 2008, , .		5
50	Mining Linked Open Data through Semi-supervised Learning Methods Based on Self-Training. , 2012, , .		5
51	A Hierarchical Clustering Method for Semantic Knowledge Bases. , 2007, , 653-660.		5
52	Assertion Prediction with Ontologies through Evidence Combination. Lecture Notes in Computer Science, 2013, , 282-299.	1.3	5
53	Leveraging the schema in latent factor models for knowledge graph completion. , 2016, , .		5
54	Recovering uncertain mappings through structural validation and aggregation with the MoTo system. , 2010, , .		4

#	ARTICLE	IF	CITATIONS
55	Towards the induction of terminological decision trees. , 2010, , .		4
56	Learning probabilistic Description logic concepts. , 2012, , .		4
57	Boosting DL Concept Learners. Lecture Notes in Computer Science, 2019, , 68-83.	1.3	4
58	Learning Logic Models for Automated Text Categorization. Lecture Notes in Computer Science, 2001, , 81-86.	1.3	4
59	Prediction of class and property assertions on OWL ontologies through evidence combination. , 2011, , .		4
60	Representing Uncertain Concepts in Rough Description Logics via Contextual Indiscernibility Relations. Lecture Notes in Computer Science, 2013, , 300-314.	1.3	4
61	Evolutionary Conceptual Clustering of Semantically Annotated Resources. , 2007, , .		3
62	DL-LINK: A CONCEPTUAL CLUSTERING ALGORITHM FOR INDEXING DESCRIPTION LOGICS KNOWLEDGE BASES. International Journal of Semantic Computing, 2010, 04, 453-486.	0.5	3
63	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
64	Tackling the Class-Imbalance Learning Problem in Semantic Web Knowledge Bases. Lecture Notes in Computer Science, 2014, , 453-468.	1.3	3
65	On the Effectiveness of Evidence-Based Terminological Decision Trees. Lecture Notes in Computer Science, 2015, , 139-149.	1.3	3
66	Transductive Inference for Class-Membership Propagation in Web Ontologies. Lecture Notes in Computer Science, 2013, , 457-471.	1.3	3
67	A Multi-relational Hierarchical Clustering Method for Datalog Knowledge Bases. , 2008, , 137-142.		3
68	A Hierarchical Clustering Procedure for Semantically Annotated Resources. Lecture Notes in Computer Science, 2007, , 266-277.	1.3	3
69	Fuzzy Clustering for Semantic Knowledge Bases. Fundamenta Informaticae, 2010, 99, 187-205.	0.4	2
70	Semantic Web Search and Inductive Reasoning. Lecture Notes in Computer Science, 2013, , 237-261.	1.3	2
71	Inductive Reasoning and Machine Learning for the Semantic Web. Semantic Web, 2014, 5, 3-4.	1.9	2
72	A Gaussian Process Model for Knowledge Propagation in Web Ontologies. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
73	Discovering Similarity and Dissimilarity Relations for Knowledge Propagation in Web Ontologies. Journal on Data Semantics, 2016, 5, 229-248.	2.0	2
74	An unsupervised approach to disjointness learning based on terminological cluster trees. Semantic Web, 2021, 12, 423-447.	1.9	2
75	Inductive Classification Through Evidence-Based Models and Their Ensembles. Lecture Notes in Computer Science, 2015, , 418-433.	1.3	2
76	Integrating New Refinement Operators in Terminological Decision Trees Learning. Lecture Notes in Computer Science, 2016, , 511-526.	1.3	2
77	Conceptual Clustering Applied to Ontologies. , 2007, , 42-56.		2
78	Approximate Measures of Semantic Dissimilarity under Uncertainty. Lecture Notes in Computer Science, 2008, , 348-365.	1.3	2
79	Partitional Conceptual Clustering of Web Resources Annotated with Ontology Languages. Studies in Computational Intelligence, 2009, , 53-70.	0.9	2
80	Instance-Based Query Answering with Semantic Knowledge Bases. Lecture Notes in Computer Science, 2007, , 254-265.	1.3	2
81	Induction of Optimal Semantic Semi-distances for Clausal Knowledge Bases. , 2008, , 29-38.		2
82	Inductive Query Answering and Concept Retrieval Exploiting Local Models. , 2009, , .		1
83	Approximate Classification of Semantically Annotated Web Resources Exploiting Pseudo-metrics Induced by Local Models. , 2009, , .		1
84	Efficient Resource Retrieval from Semantic Knowledge Bases. , 2010, , .		1
85	Towards Numeric Prediction on OWL Knowledge Bases through Terminological Regression Trees. , 2012, , .		1
86	Rank prediction for semantically annotated resources. , 2013, , .		1
87	A Counterfactual-Based Learning Algorithm for $\text{ALC}$ Description Logic. Lecture Notes in Computer Science, 2005, , 406-417.	1.3	1
88	Lazy Learning from Terminological Knowledge Bases. Lecture Notes in Computer Science, 2006, , 570-579.	1.3	1
89	Adaptive Knowledge Propagation in Web Ontologies. Lecture Notes in Computer Science, 2014, , 304-319.	1.3	1
90	Inductive Classification of Semantically Annotated Resources through Reduced Coulomb Energy Networks. , 2011, , 322-342.		1

#	ARTICLE	IF	CITATIONS
91	Cooperation of Multiple Strategies for Automated Learning in Complex Environments. Lecture Notes in Computer Science, 2002, , 574-582.	1.3	1
92	Learning to Rank Individuals in Description Logics Using Kernel Perceptrons. Lecture Notes in Computer Science, 2010, , 173-181.	1.3	1
93	A Refinement Operator Based Method for Semantic Grouping of Conjunctive Query Results. Lecture Notes in Computer Science, 2010, , 359-368.	1.3	1
94	Classification and Retrieval through Semantic Kernels. Lecture Notes in Computer Science, 2008, , 252-259.	1.3	1
95	Message from the ICSC 2012 Workshop Co-Chairs. , 2012, , .		0
96	Italian Machine Learning and Data Mining research: The last years. Intelligenza Artificiale, 2013, 7, 77-89.	1.6	0
97	Tree-Based Models for Inductive Classification on the Web of Data. SSRN Electronic Journal, 2017, , .	0.4	0
98	Minimal Generalizations under OI-Implication. Lecture Notes in Computer Science, 2002, , 140-148.	1.3	0
99	Fuzzy Clustering for Categorical Spaces. Lecture Notes in Computer Science, 2009, , 161-170.	1.3	0
100	Learning with Semantic Kernels for Clausal Knowledge Bases. Lecture Notes in Computer Science, 2011, , 250-259.	1.3	0
101	Induction of Robust Classifiers for Web Ontologies Through Kernel Machines. SSRN Electronic Journal, 0, , .	0.4	0
102	Concept Induction in Description Logics Using Information-Theoretic Heuristics. , 2013, , 97-118.		0
103	Learning Probabilistic Description Logic Concepts Under Alternative Assumptions on Incompleteness. Lecture Notes in Computer Science, 2014, , 184-201.	1.3	0
104	Graph-Based Regularization for Transductive Class-Membership Prediction. Lecture Notes in Computer Science, 2014, , 202-218.	1.3	0
105	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
106	Evolutionary Clustering in Description Logics: Controlling Concept Formation and Drift in Ontologies. Lecture Notes in Computer Science, 2008, , 808-821.	1.3	0
107	An Approach Based on Semantic Similarity to Explaining Link Predictions on Knowledge Graphs. , 2021, , .		0